

## CURRICULUM VITAE

### Ronald S. Swerdloff, M.D.

Harbor-UCLA Medical Center  
1000 West Carson Street, Box 446  
Torrance, CA. 90509-2910  
Telephone: (310) 222-1867  
Fax: (310) 533-0627  
E-mail: swerdloff@labiomed.org

<b>PLACE OF BIRTH:</b>	Pomona, California
<b>CITIZENSHIP:</b>	United States
<b>MARITAL STATUS:</b>	Married
<b>EDUCATION:</b>	
1955-1958	B.S. (1959) University of California, Los Angeles
1958-1962	M.D. (1962) University of California, San Francisco
<b>LICENSURE:</b>	
	State of California (A-20917)
	State of Victoria, Australia (the-555)
<b>BOARD CERTIFICATION:</b>	
1968	Diplomate, American Board of Internal Medicine (Internal Medicine)
1970	Fellow, American College of Physicians
1972	Diplomate, American Board of Internal Medicine (Endocrinology)
<b>PROFESSIONAL EXPERIENCE:</b>	
1962-1963	Internship in Medicine, Kings County Hospital University of Washington, Seattle, Washington
1963-1964	Assistant Resident in Medicine University of Washington, Seattle, Washington
1964-1966	Clinical Research Associate Research Metabolism Section National Institute of Child Health and Human Development National Institutes of Health, Gerontology Branch
1966-1967	Associate Resident in Medicine University of California, Los Angeles
1967-1969	N.I.H. Special Fellow in Endocrinology UCLA School of Medicine, Harbor General Hospital Campus
1969-1971	Director, Medical Residency Program St. Mary's Long Beach Hospital - Harbor General Hospital Combined Program
1969-1972	Assistant Professor of Medicine (Endocrinology) UCLA School of Medicine, Harbor General Hospital Campus

Rev 12/19/08

1972-1973	Associate Chief of Endocrinology UCLA School of Medicine, Harbor General Hospital Campus
1973-1978	Associate Professor of Medicine (Endocrinology)
1973-1979	UCLA School of Medicine, Harbor General Hospital Campus
1973-present	Chief, Division of Endocrinology and Metabolism Harbor-UCLA Medical Center
1978-present	Professor of Medicine (Endocrinology) UCLA School of Medicine, Harbor-UCLA Medical Center
1978-1979	Acting Director, Clinical Study Center Harbor-UCLA Medical Center
1980-1981	Visiting Professor, Departments of Anatomy and Medicine Monash University School of Medicine Melbourne, Australia
1986-1992	Director, UCLA Population Research Center
1986-1990	Coordinator, UCLA Divisions of Endocrinology and Metabolism
1991-present	Director, Harbor-UCLA Reproductive Program - World Health Organization Collaborative Center for Reproduction.
1997-present	Associate Chair, Department of Medicine Harbor-UCLA Medical Center

**ACADEMIC HONORS:**

1959	Anatomy Research Award
1960	Roche Award
1960-1962	Tausig Memorial Scholarship Award
1961	Alpha Omega Alpha
1962	Merck Award
1962	Mosby Scholarship Award
1967-1969	NIH Special Fellowship
1972-1977	NIH Career Development Award
1974	Wyeth Award Outstanding Research Paper presented at the Society for the Study of Reproduction
1975	Squibb Award Outstanding Research Paper presented at the Pacific Coast Fertility Society
1984	Wyeth Award Outstanding Research Paper
1984	Squibb Award Outstanding Research Paper presented at the Pacific Coast Fertility Society
1986	Serono Award - Outstanding Contributions to Male Reproductive Endocrinology
1990	Serono Inaugural Lecturer; Australian Society of Reproductive Biology,
1998	UCLA Sherman Mellinkoff Award-The Most Outstanding UCLA Faculty Award
1998	Harbor-UCLA Outstanding Researcher Award
2000	Mayo Soley Award (Western Society of Clinical Investigator Outstanding West Coast Investigator Award)
2004	American Association of Andrology's Distinguished Andrologist Award (Journal of Andrology Supplement pp10-11, March/April 2004)

**PROFESSIONAL SOCIETIES:**

Member:

1961	Alpha Omega Alpha
1967	American Federation for Clinical Research
1969	Endocrine Society
1970	Fellow, American College of Physicians
1970	Society for the Study of Reproduction
1971	Western Society for Clinical Investigation

1973	Pacific Coast Fertility Society
1974	Western Society for Pediatric Research
1975	Society for Pediatric Research
1975	Honorary Member - Sociedad Venezolana de Endocrinología y Metabolismo
1976	American Society of Andrology
1981	Western Association for Physicians
1986	American Association of Physicians

**Officer:**

1970-1971	AFCR - Councilor, Western Section
1971-1972	AFCR - President-Elect, Western Section
1971-1973	AFCR - National Council
1972-1973	AFCR - President, Western Section
1974	AFCR - National Council, Councilor at large
1974	AFCR - Social Issues Committee
1974	Endocrine Society - Public Affairs Committee
1974-1978	Pacific Coast Fertility Society - Board of Directors Program Chairman (1977)
1978-1981	American Andrology Society - Executive Council
1979-1982	Western Society for Clinical Research - Secretary/Treasurer
1979-1982	Intersociety Council for WSCR, AFCR (Western Section), WAP and WSPR - Chairman
1982	Western Society for Clinical Investigation - President-Elect
1983	Western Society for Clinical Investigation - President
1984	Pacific Coast Fertility Society - President
1984	American Andrology Society - Chairman, Post Graduate Education Committee
1986	Endocrine Society - Chairman, National Arrangement Committee Meeting
1987	American Andrology Society - Publications Committee
1988-1990	American Andrology Society - Chairman, Finance Committee
1989-present	The Endocrine Society - Education Committee
1989-1993	The International Society of Andrology - Member of The Executive Council
1991	The Endocrine Society - Special Advisor Program Committee
1992-1993	American Andrology Society - President
1993-1996	Chairman, Los Angeles Cross Town Endocrine Club
1997-present	Klinefelter's Syndrome Association - Scientific Advisory Committee
1998-present	Foundation for Research in Aging - Science Director

**EDITOR, EDITORIAL BOARD OR REVIEWER FOR THE FOLLOWING JOURNALS:**

Journal of Clinical Endocrinology and Metabolism (Editor, 1978-1983)

Journal of Andrology (Editorial Board 1988-1990)

Endocrinology

Endocrinology Practice

Journal of Clinical Investigation

Biology of Reproduction

Annals of Internal Medicine

Science

Contraception

Metabolism

Hormone and Metabolic Research

Fertility and Sterility  
Clinical Endocrinology  
Journal of Andrology  
Molecular and Cellular Biology  
Nature  
New England Journal of Medicine  
Journal of Pediatrics  
Biochemical and Biophysical Research Communications  
International Journal of Fertility  
Journal of Urology  
American Journal of Physiology  
Thyroid

**REVIEWER OF GRANT AND CONTRACT APPLICATIONS:**

National Institutes of Health  
National Science Foundation  
Veterans Administration  
CONRAD

**CONSULTANT FOR INDUSTRY (Historical)**

Schering-Plough Corporation Advisory Board  
Unimed Corporation  
Parke-Davis Pharmaceutical  
Biotechnology General  
BKB Pharmaceuticals  
Hoechst Corporation  
Alza Corporation  
Wyeth Ayerst  
Besins  
Jenapharm  
American BioScience  
Bayer  
Zonagen  
MacroChem

**Presently**

Schering AG  
Solvay Pharmaceutical  
Lilly Pharmaceutical  
Glaxo SmithKline  
Ligand Corporation  
Organon  
Ascend/Besins  
ARYx  
Auxillium  
Clarus  
Columbia  
Corcept  
Merck  
Pierre Fabre  
Renovis  
Repros  
Acadia  
Actelion Pharmaceuticals

Ardana  
CONRAD (USAID) Technical Advisory Committee  
Clinical Advisors  
Gerson Lehman  
Haymarket  
Indevus  
MedaCorp  
World Health Organization; Collaborating Center

#### **INTERNATIONAL COMMISSIONS AND GRANTING AGENCIES:**

United Nations/World Health Organization  
1984-1989 Consultant, Steering Committee Member of the Task Force on Methods for the Regulation of Male Fertility  
1991-92 Special Consultant  
1984-86 Site Visit Member, Family Planning Research Institute of Sichuan, Chengdu, Peoples Republic of China, Nanjing and Beijing  
1984 United States - Indian Collaborative Research on Contraceptive Development - New Delhi  
2005 European Academy of Andrology

#### **NATIONAL COMMITTEES AND GRANTING AGENCIES:**

1986 - present American Medical Association Drug Evaluations  
1986-1991 NIH Committee, Population Research Center  
1989 - present American Board of Internal Medicine Evaluation Committee  
1993 - present CONRAD - Technical Advisory Committee  
1993 Contraceptive Development Branch, NICHD, NIH-Special Consultant-Long Range Planning Cmte  
1993 - present National Aging Institute, NIH Safety Advisory Committee, Aging and Trophic Factors  
1996 - present National Klinefelter's Society, Chairman, Scientific Committee  
1997 Endocrine Society Abstract Selection Committee  
1997-2000 NIH Committee, Reproduction Sciences Branch  
1997-present United States Olympic Committee  
1999-present Mellon Foundation Reproductive Biology Program  
2000 Program Committee NIH Symposium on Klinefelter's Syndrome NICHD  
2001-present United States Anti-Doping Agency (USADA)  
2001-present United States Pharmacopeia

#### **CENTER DIRECTORSHIP**

1986-1991 NIH, Population Research Center  
1992-present WHO Collaborating Center for Research in Human Reproduction  
1999-present Mellon Center for Men's Health  
2003 NIH Contraceptive Clinical Trials Center

#### **UCLA**

1985-1992 Director, UCLA Population Research Center  
1986 Executive Committee Chairman  
1986 Scientific Programs - Appointments and Promotions (elected)  
1984-present Executive Committee Alternate  
1986-1990 UCLA Endocrine Divisions Coordinating Committee Chairman  
1991-1992 Search Committee, Chair, Department of Medicine (CHS)  
1995- Organizer, UCLA Pituitary Conference (CHS)  
1996- Medical Student Thesis Program Committee member

#### **HARBOR-UCLA MEDICAL CENTER**

1969-1984 Multiple Committee Assignments

1973-Present	Chief, Division of Endocrinology, Diabetes and Metabolism
1984-1985	Long Range Planning (Chairman)
1985-1990	Medical Office Bldg. Management Committee
1986-present	Department of Medicine Executive Committee
1994-present	Dept of Medicine Chairman, Faculty Career Advancement Committee
1995-96	Search Committee for Endocrinology Faculty-Chair
1996-	Search Committee, Chief Pulmonary Division
1996	Bylaws Committee
1997-Present	Associate Chair, Department of Medicine
1997-2002	Department of Medicine, Chair Committee

### **LOS ANGELES BIOMEDICAL RESEARCH INSTITUTE**

1983-86	Space Committee
1983-86	Research Committee (Administrative Secretary)
1983-86	Administrative Policies (Chairman)
	Finance Committee (Vice-Chairman)
	Board of Directors
1984-91	Population Center Executive Committee (Chairman)
1984	Multipurpose Office Building Committee
1987-present	Walter Martin Research Center Administrative Committee Chair
1992-94	Research Committee
1992-97	Bylaws Committee
1997-2002	Bylaws Committee - Chairman
1996-1998	Search Committee, CEO, Vice Chair
1997-2000	REI Board of Directors- Vice Chair; member
1997-2003	REI Executive Committee
1999-2000	Long Range Steering Committee
1999-2000	Infrastructure Task Force, Vice Chair
2000-present	Research Committee
2001-2001	Search Committee Chair, CFO

### **THESIS COMMITTEES:**

1986	Monash University
1994-95	Fakultas Kedokteran Universitas Airlangga, Surabaya, Indonesia
1996-	University of Sidney

### **SCIENTIFIC AND TECHNICAL ADVISORY COMMITTEES:**

1993-present	CONRAD
1996-present	Klinefelter's Association (KSA) – Chairman
2006-	Indevus Scientific Advisory Committee

### **CLINICAL DISTINCTION:**

1992-present	"Best Doctors in America"
1996-present	"Best Doctors in the West"
1996-present	"Best Doctors in Los Angeles"
2001	"A Top Doctor in America"

#### **GUEST LECTURESHIPS, CHAIRMANSHIPS, AND CONSULTANTSHIPS:**

1. Chairman, Plenary Session, Western Section, AFCR, Carmel, California, February, 1972.
2. Invited Lecturer, Loma Linda Medical School, "Hypothalamic-pituitary gonadal interrelationships", Loma Linda, California, March, 1972.
3. Invited Participant, Endocrine Society Satellite Symposium on Testis Receptors and Male Control Mechanisms, Washington, D.C., February, 1972.
4. Invited Participant, NIH Airlie House Symposium on Puberty, Airlie House, Virginia, October, 1972.
5. Invited Lecturer, UCLA Postgraduate Medicine Course, "Hypoglycemia", Lake Arrowhead, California, July 1972.
6. Invited Lecturer, American Society of Bariatrics, "Obesity and Hypoglycemia" and "Therapy of Hypoglycemia", Las Vegas, Nevada, 1972.
7. Visiting Professor, St. Joseph's Hospital (University of Arizona affiliated hospital), Phoenix, Arizona, October, 1972.
8. Invited Lecturer and Section Chairman, American College of Physicians Postgraduate Course, "Steroid Withdrawal" and "Hirsutism", Anaheim, California, December, 1972.
9. Chairman, Symposium on Infertility, Pacific Coast Fertility Society, Scottsdale, Arizona, October, 1972.
10. Chairman and President, Plenary Session, Western Section, AFCR, Carmel, California, February, 1973.
11. Visiting Professor, Hospital Militar and University Affiliated Hospitals, Caracas, Venezuela, March, 1973.
12. Invited Lecturer, California Dietetic Association, Los Angeles, California, April, 1973.
13. Invited Lecturer, Hahnemann Symposium on Current Advances in Endocrinology, "Contraceptives: Current Status of Hormonal Agents", Philadelphia, Pennsylvania, April, 1973.
14. Chairman, Male Reproduction Section, Endocrine Society, Chicago, Illinois, June, 1973.
15. Invited Participant, NIH Fogarty Symposium on Obesity, Bethesda, Maryland, October, 1973.
16. Chairman, Male Infertility Symposium, Pacific Coast Fertility Society, Palm Springs, California, October, 1973.
17. Invited Lecturer, Endocrine Society Postgraduate Course, "Mechanism of Action and Complications of Contraceptive Drugs", Anaheim, California, October, 1973.
18. Invited Lecturer, AMA Convention, "Application of Radioimmune Hormone Assays in Fertility Problems", Anaheim, California, December, 1973.
19. Chairman, Metabolic Section, Western Section, AFCR, Carmel, California, February, 1974.
20. Invited Lecturer, City of Hope Medical Center, "Hypocalcemia", Duarte, California, February 1974.

21. Invited Lecturer and Section Chairman, Southern California Regional Meeting of The American College of Physicians, "Problem Solving Session: Endocrine Diagnosis", San Diego, California, February, 1974.
22. Invited Lecturer, Cross Town Endocrine Club, "Current Aspects of Hypothalamic Control of Endocrine and Metabolic Function", Los Angeles, March, 1974.
23. Invited Lecturer, University of London, Middlesex Hospital Medical School, "Mechanisms of Action and Complications of Systemic Contraceptives", and "Hormonal Mechanisms in the Onset of Puberty", London, England, March, 1974.
24. Visiting Professor, University of Guadalajara, in Guadalajara, Mexico, October, 1974.
25. Guest Lecturer, "Hypogonadism", "Puberty", Venezuelan Endocrine Society, October, 1974.
26. Invited Lecturer, Symposium on Neuroendocrine and Aging, Portland, Oregon, October, 1974.
27. Scientific Program Director, Southern California Regional American College of Physicians Meeting, Los Angeles, February, 1975.
28. Invited Lecturer, American Diabetes Association, Postgraduate Course, Anaheim, California, March, 1975.
29. Chairman, Endocrine Section, AFCR, Atlantic City, New Jersey, May, 1975.
30. Invited Lecturer, American Society of Clinical Pathologists, "Hormonal Evaluation of Reproductive Problems", Long Beach, California, July, 1975.
31. Invited Lecturer, "Hypoglycemia - "What It Is and What It Isn't", UCLA Continuing Education Course, Los Angeles, California, August 1975.
32. Invited Participant, Laurentian Hormone Conference, "Etiologies of Sexual Maturation", Odell and Swerdloff, Mount Tremblant, Canada, August, 1975.
33. Scientific Program Director and Participant, American College of Physicians Postgraduate Course in Endocrinology, October 2-4, 1975, Los Angeles, California, "Male Reproductive Physiology" and "Hypogonadism".
34. Invited Lecturer, Third Annual NICHD Workshop on the Testis, "Modulating Influences of FSH, GH and Prolactin on LH Stimulated Testosterone Secretion", Pittsburgh, Pennsylvania, February 25-27, 1976.
35. Invited Lecturer, The Brain and the Endocrine System, "Mechanisms of Puberty", Long Beach, California, June 18-19, 1976.
36. Invited Lecturer, 1976 Annual International Endocrine Society Meeting, "Gonadal Factors in Puberty", Hamburg, Germany, July 18-24, 1976.
37. Sigma Xi Distinguished Lectures, "Perils of the Pill: Complications of Oral Contraceptive Agents", Los Angeles, California, February 14, 1976.
38. Invited Lecturer, California State University, "Hormones and Maturation", March, 1977.
39. Invited Lecturer, California Medical Association, "Male Reproductive Function", March, 1977.



40. Course Chairman, Practical Endocrinology for the Primary Physician, Los Angeles, California, March 26-27, 1977.
41. Invited Lecturer, University of Southern California, Department of Anatomy, "Control of Secretion of LH and FSH", May, 1977.
42. Invited Lecturer, Practical Management of Diseases of Hair and Scalp, "Hirsutism", Los Angeles, California, May, 1977.
43. Invited Lecturer, University of California at San Francisco, Department of Physiology, "Neuroendocrine Control of Reproductive System", San Francisco, California, June, 1977.
44. Invited Lecturer, American Society of Clinical Pathologists, "Hirsutism", Chicago, Illinois, June, 1977.
45. Invited Lecturer, Los Angeles Dermatology Conference, "Diagnosis and Management of Hirsutism", Los Angeles, California, August, 1977.
46. Invited Lecturer, University of Colorado, "Mechanisms of Puberty", "Hypogonadism in the Male", Denver, Colorado, September, 1977.
47. Invited Lecturer, Postgraduate Course on Diabetes and Endocrine Diseases, Nurse Practitioners of Southern California, "Birth Control Pills: Physiological Effects and Complications", Anaheim, California, October, 1977.
48. Invited Lecturer, Pacific Coast Fertility Society, "Male Factors in Infertility", Palm Springs, California, October, 1977.
49. Invited Lecturer and Participant, NIH Workshop on Male Contraceptives, "Clinical Evaluation of Testosterone Enanthate for Induction of Reversible Azoospermia in the Human Male", Bethesda, Maryland, October, 1977.
50. Invited Lecturer, American College of Physicians Postgraduate Course, "Hypercalcemia: Diagnosis and Management", Los Angeles, California, December, 1977.
51. Guest Lecturer, Colorado Association for Continuing Medical Education, "Laboratory Assessment of Reproductive Problems", Denver, Colorado, February, 1978.
52. Invited Speaker, Fifth International Workshop on the Testis, NIH, "New Approaches to Male Contraception", Geilo, Norway, March-April, 1978.
53. Guest Lecturer, Symposia on Sexual Dysfunction, "Impotence: Medical Causes and Treatment", Palm Springs, California, June, 1978.
54. Guest Lecturer, American Urologic Association Postgraduate Course on Infertility, Los Angeles, California, June, 1978.
55. Invited Lecturer and Participant, V International Congress on Hormonal Steroids, Symposium on Steroids in Male Reproduction, "Use of Testosterone as a Potential Male Contraceptive Agent", and "The Endocrine Assessment of the Hirsute Patient", New Delhi, India, October, 1978.
56. Invited Lecturer, American Society of Andrology, 4th Annual Meeting, "The Role of Nutrition and Obesity on Testicular Function", Houston, Texas, March, 1979.

57. Co-Director and Participant, The Endocrine Society Eighth Training Course in Competitive Protein Binding Assays, Anaheim, California, March, 1979.
58. Invited Lecturer and Participant, Federation of American Societies for Experimental Biology, Symposium on The Endocrinology of Sexual Development, "Nutritional Influences on Sexual Maturation of the Rat", Dallas, Texas, April, 1979.
59. Invited Participant, NIH International Symposium on LH-RH Analogs in Fertility Regulation, Anaheim, California, June 12, 1979.
60. Guest Lecturer, Symposium on Sleep Research and Clinical Disorders, "Biologic Endocrine Rhythms: Their Application to Clinical Disorders", Marco Island, Florida, November, 1979.
61. Guest Lecturer, "Complications of Estrogen Therapies", City of Hope National Medical Center, Duarte, California, December, 1979.
62. Guest Lecturer, American Urologic Association Postgraduate Course on Infertility, "Infertility in the Male", December, 1979.
63. Invited Lecturer, Diabetes Update - 1980, "Recent Advances in Diabetes", Aspen, Colorado, January, 1980.
64. Invited Participant and Co-Chairman, Free Communication Session on the Ovary, Sixth International Congress of Endocrinology, Melbourne, Australia, February, 1980.
65. Invited Lecturer, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, Symposium on Endocrine Drugs, "Systemic Male Contraceptive Agents", San Francisco, California, March, 1980.
66. Keith Harrison Memorial Lectureship, Australian Endocrine Society. "Influence of Nutrition on Reproductive Function", Armandale, New South Wales, Australia, August, 1980.
67. Invited Lecturer, University of Western Australia, "Reproductive Regulatory Control in the Male", Perth, Australia, July, 1980.
68. Invited Lecturer, Royal Melbourne Children's Hospital, "Recent Progress in Puberty Research", Melbourne, Australia, October, 1980.
69. Invited Lecturer, Prince Henry's Hospital Medical Research Center, "Down Regulation of the Testes by GnRH Superactive Analogs", Melbourne, Australia, October, 1980.
70. Invited Participant, National Institutes of Health, GnRH Workshop, "Effect of GnRH Analogs on Inhibition of Spermatogenesis", November, 1980, Bethesda, Maryland.
71. Invited Lecturer, Southwestern Gynecologic Assembly 15th Annual Meeting, "Human Infertility", December, 1980, Dallas, Texas.
72. Invited Lecturer, Medical Society of Australia, Canberra, Australia, December, 1980.
73. Invited Lecturer, Seminar on Human Reproductive Endocrinology, The University of Adelaide, Adelaide, South Australia, May, 1981.

74. Invited Lecturer, Departmental Seminar, Department of Reproductive Medicine, University of California, San Diego, September, 1981.
75. Invited Lecturer, Department of Medicine Grand Rounds, St. Mary's Medical Center, Long Beach, California, "Hypogonadism", October, 1981.
76. Invited Lecturer, Thirty-Third Annual Postgraduate Assembly of The Endocrine Society, San Diego, California, "Evaluation and Treatment of the Anovulatory Woman", November, 1981.
77. Invited Lecturer, Department of Reproductive Medicine, University of California, San Francisco, January, 1982.
78. Invited Lecturer, Western Association of Physicians Annual Meeting, Carmel, California, "GnRH Superactive Analogs - Current Perspectives", February, 1982.
79. Invited Lecturer, American Urological Association Seminar on Male Infertility, Los Angeles, California, "Hormonal Regulation of Spermatogenesis" and "Medical Management of the Infertile Male", March, 1982.
80. Visiting Professor, Madigan Army Medical Center, Tacoma, Washington, "GnRH Analogs - New Pharmacologic Uses", March, 1982.
81. Invited Lecturer and Clinical Consultant, University of Washington, Seattle, Washington, "Nutritional Influences on Reproductive Function", March, 1982.
82. Guest Lecturer, Recent Advances in Male Reproduction: Molecular Bases and Clinical Implications. "Effects of Combined GnRH Superactive Agonists and Gonadal Steroids on Testicular Function in Man and Experimental Animals", University of Catania, Italy, June, 1982.
83. Invited Lecturer, International Congress on Hormonal Steroids, "Leydig Cell Function", Jerusalem, Israel, September, 1982.
84. Invited Lecturer, 34th Annual Postgraduate Assembly of The Endocrine Society, "Clinical Disorders of Testicular Function", Dearborn, Michigan, October, 1982.
85. Visiting Professor, Walter Reed Army Medical Center, Washington, D.C., November, 1982.
86. Invited Participant, NIH Clinical Staff Conference on Therapeutic Applications of Luteinizing Hormone Releasing Hormone (LHRH) and LHRH Analogs, "A New Approach to Male Contraception Using Combined Androgen and GnRH Analog Treatment", Bethesda, Maryland, February, 1983.
87. Invited Lecturer, Midwest Regional Program, American Association of Clinical Chemistry, "Male Reproductive Dysfunction and Evaluation of the Woman with Amenorrhea", Omaha, Nebraska, May, 1983.
88. Invited Lecturer, International Workshop "Fertility and Antifertility - LH-RH and its Analogues", Lecture: "Male Contraception with LH-RH Agonists", Berlin, October, 1983.
89. Invited Participant, Testis Workshop, NICHD, "Recent Studies on Testicular Peptides", Session Chairman, Bethesda, Maryland, October, 1983.
90. Invited Lecturer, American Urologic Society, "Medical Therapy for the Infertile Male", Anaheim, California, October, 1983.

91. Invited Lecturer, World Health Organization, Indian Council on Medical Research, Symposium on Methods for the Regulation of Male Fertility, "GnRH Agonists and Suppression of Spermatogenesis in Man", Bombay, India, February, 1984.
92. Invited Participant, American Society of Andrology, Symposium on GnRH and Super Agonists, Los Angeles, California, March, 1984.
93. Invited Lecturer, VIIIth International Congress of Endocrinology, Quebec, Canada. Symposium on LHRH and its Analogues. "Effects on Continuous GnRH Agonist Infusion on Gonadal Function in the Human Male". June 28-July 7, 1984.
94. Invited Participant, International Symposium on Gonadotropin Releasing Hormone in Control of Fertility and Malignancy. "Use of GnRH Analogues as Experimental Male Contraceptives". University of Hyderabad, Hyderabad, India, August 17-20, 1984.
95. Invited Lecturer, The First International Symposium on Reproductive Medicine, "Testicular Dysfunction". Organized by Serono Symposia, Rome, Italy. Held in: San Juan, Puerto Rico, October 4-6, 1984.
96. Invited Lecturer, University of Hong Kong, "Use and Abuse of Androgens"; Hong Kong, December 9, 1984.
97. Invited Lecturer, World Health Organization/Peoples Republic of China Symposia on Methods for the Regulation of Male Fertility: "LHRH Agonists". Nanjing, Peoples Republic of China, December 14-16, 1984.
98. Visiting Professor, University Medical Center and Hospital Militar "Dr. Carlos Arvelo", Caracas, Venezuela, March, 1985.
99. Invited Lecturer, Sociedad Venezolana de Endocrinologia y Metabolismo "Precocious Puberty"; "Evaluation of Amenorrheic Woman"; "Mechanisms of Action and Therapeutic Uses of GnRH Analogs"; "Evaluation and Treatment of Hypogonadism"; "Assessment and Treatment of the Hirsute Woman". Puerto La Cruz, Venezuela, March, 1985.
100. Invited Lecturer, Society of Research Administrators, "Organization of Research Support in a University Medical Center", Long Beach, California, 1985.
101. Invited Lecturer and Participant, Acta Endocrinologia Congress Satellite Symposium, "Novel Aspects of Testes Function: GnRH Agonists". Helsinki, Finland, August, 1985.
102. Ortho Lectureship, "Future of Male Contraception", American Fertility Society, Chicago, Illinois, September 1985.
103. Invited Lecturer, American Fertility Society - Eighteenth Annual Postgraduate Course: Male Physiology and Infertility, Chicago, Illinois, September, 1985.
104. Invited Lecturer, NICHD, NIH, GnRH Conference: Continuous Infusion of GnRH-agonist for Male Contraception. Bethesda, Maryland, 1985.
105. Visiting Professor and Lecturer, University of the East, University of Santo Tomas, University of the Philippines (Philippine General Hospital), Cebu Doctors Hospital and Medical School. Philippines Obstetrical and Gynecologic Society (Manila and Cebu) and the Philippine Endocrine Society; "Hirsutism"; "Use and Abuse of Androgen Therapy"; "New Approaches for GnRH and its

- Analogues"; "Precocious Puberty and Delayed Sexual Maturation"; "Male Hypogonadism"; and "Evaluation and Treatment of the Anovulatory Woman", April 1986.
106. Serono Lectureship, American Society of Andrology "Toward Development of a Male Contraceptive". Grand Rapids, Michigan, April 1986.
  107. Guest Lecturer, Medical Grand Rounds, University of Utah School of Medicine "Toward Development of a Male Contraception". Division of Endocrinology, University of Utah "Mechanism of Action of GnRH Analogues". May 1986.
  108. Site Visit U.S.F.P.A. Contraceptive Development Centers, Peoples Republic of China. Sechuan, Nanjing. June, 1986.
  109. Guest Lecturer, Genetech, "Relaxin and the Male Reproductive System." San Francisco, California. August 25, 1986.
  110. Invited Lecturer, American Fertility Society. "Endocrinology of Male Infertility." October 2, 1986.
  111. Invited Lecturer, Endocrine Society Postgraduate Assembly. "Male Infertility Evaluation and Therapy", "GnRH and Treatment of Prostate Cancer." November 8, 1986.
  112. Invited Participant, Lecturer and Discussion Leader: NIH Workshop on GnRH. "GnRH Analogues in Male Contraception". Bethesda, Maryland, November 11, 1986.
  113. Invited Participant, International Symposium, Post meiotic regulation of sperm function Mexico City, March 11-14, 1987.
  114. Invited Participant, International Conference on Reproduction and Cancer, Bethesda, Maryland, May 11- 13, 1987.
  115. Invited Lecturer, University of Michigan Postgraduate Course in Endocrinology and Male Sexual Dysfunction, Ann Arbor Michigan, August 8-10, 1987.
  116. Invited Participant and Guest Lecturer, "Use of GnRH Analogs in the Male", International Symposium on GnRH and Its Analogues, Geneva, Switzerland, February 16-18, 1988.
  117. Invited Participant and Lecturer, "Nal-Glu GnRH Antagonist in the Human Male". NIH Workshop on GnRH and Its Analogues, Bethesda, Maryland, April 11-13, 1988.
  118. Visiting Professor and Wu Chung Lecturer, "Use of GnRH Analogues in Clinical Medicine"; "Intragonadal Control of Spermatogenesis"; "Male Sexual Dysfunction"; and "A Patient with Hepatosplenomegaly". University of Hong Kong, July, 1988.
  119. Invited Lecturer and Participant, "Impotency and Sexual Dysfunction", "Use of GnRH Analogues", and "Endocrine Evaluation of Male Reproduction and Sexual Dysfunction". IV National Congress & II International Symposium on Recent Advances in Research in Male Fertility Regulation and Infertility Management. Semarang, Indonesia, October 16-20, 1988.
  120. Keynote Speaker, "Male Contraception - A View to the Future." Kansas University Medical Center Student Research Forum, Kansas City, Kansas, March 8, 1989.
  121. Invited Lecturer, "Male Contraception - Medical Approaches" and "Future Directions for Research in Male Contraception". Continuing Education Course, Eastern Virginia Medical School, "Contraception: Current Choices and Future Directions", Washington D.C., April 6-8, 1989.

122. Invited Participant and Session Chairman, Annual Meeting of American Society of Andrology, "The Conceptual Basis of Prospective Male Contraceptives", New Orleans, LA, April 13-16, 1989.
123. Invited Participant and Speaker, "Delayed Puberty". International Congress of Andrology, Florence, Italy, May 17, 1989.
124. Invited Participant and Lecturer, "Regulation of the Male Reproductive System" and "Assessment of the Infertile Male". First Postgraduate Course on Clinical Reproductive Endocrinology and Infertility, Singapore, June 1989.
125. Visiting Professor and Clinical Consultant, "Regulation of Fertility in the Male and Approaches to Contraception". The University of Michigan Medical Center, Ann Arbor, MI, June 1989.
126. Co-Chairman of Conference and Lecturer, "Role of Exogenous Androgens in Male Contraception. Overview of Total Clinical Experience". NIH Workshop Conference on Androgen Therapy: Biologic and Clinical Consequences, Marco Island, FL, January 17-20, 1990.
127. Invited Lecturer, Visiting Professor Series, St. Mary's Medical Center, Long Beach, CA. "Male Infertility: A Common Problem", February 21, 1990.
128. Invited Lecturer and Visiting Professor, "Experimental Approaches to Male Contraception". Reproductive Biology Program, University of Texas at Houston, Houston, Texas, April 3-4, 1990.
129. Invited Lecturer, Endocrine Research Conference, University of Southern California School of Medicine. "GnRH Analogs and Male Contraception", Los Angeles, CA, April 16, 1990.
130. State-of-the-Art Lecture, 78th Annual Congress of the Japanese Urological Association, "Physiology of Male Reproduction - Current Status and Future Direction", Sapporo, Japan, June 16, 1990.
131. Chairman, Postgraduate Course, "Abnormalities of Lipid Metabolism," Los Angeles, CA, July 21, 1990.
132. Plenary Lecturer, "Contraception - New Approaches in the Male," National Academy of Medicine (Mexico), Mexico City, July 28, 1990.
133. Serono Inaugural Lecturer - 1990, "Androgens in the Male: New Uses, Old Abuses," Combined Meeting of Endocrine Society of Australia, Australian Society of Reproductive Biology and Fertility Society of Australia, Perth, Australia, September 16, 1990.
134. Invited Lecturer, "Adventures in Male Reproductive Physiology: Applications to Clinical Problems," Southern California Organization of Pediatric Endocrinologists, Long Beach, CA, October 6, 1990.
135. Invited Lecturer, "Evaluation and Treatment of Male Infertility," 42nd Postgraduate Assembly, The Endocrine Society, Honolulu, HI, October 28-November 1, 1990.
136. Invited Lecturer, "Combined GnRH Antagonist and Testosterone Enanthate for Experimental Male Contraception," 2nd International Symposium on GnRH Analogues in Cancer and Human Reproduction, Geneva, Switzerland, November 7-10, 1990.
137. Invited Lecturer, "Metabolic Effects of Androgen Deficiency and Aging in Men", NIH Conference on Aging and Male Reproductive Dysfunction, Bethesda, MD, November 25, 1990.
138. Invited Lecturer, Visiting Professor Series, St. Mary's Medical Center, Long Beach, CA. "Male Reproductive Disorders," January 16, 1991.

139. Invited Lecturer, "Clinical Evaluation of the Infertile Male", State-of-the-Art Urology Conference, UCLA Extension, Marina del Rey, CA, February 8-10, 1991.
140. Invited Lecturer, "Current Status of Male Contraceptive Development", Johnson and Johnson Conference on Contraceptive Development. Princeton, NJ, January 28, 1991.
141. Visiting Professor, University of Minnesota, Departments of Cell Biology and Neuroanatomy, Obstetrics and Gynecology, Medicine (Endocrinology) and Surgery (Urology), Grand Rounds Lectures, "Diversity of Actions of Androgens: A Mechanistic View" and "Recent Advances in Male Reproductive Physiology, Application to the Patient", March 1-2, 1991.
142. Invited Lecturer, Cedars-Sinai Medical Center, Los Angeles, CA. Endocrine Grand Rounds, "Reproductive Physiology in the Male: Application to Clinical Andrology," April 2, 1991.
143. University of Southern California, Los Angeles, CA. Endocrine Grand Rounds, "Androgens Revisited: Metabolic and Other Implications of Treatment." September 10, 1991.
144. Special Consultant, United Nations Special Program of Research, Development and Research Training in Human Reproduction. Population Research Institutes, Beijing, China and Tianjin, China, September 1991.
145. Invited Lecturer, "Androgens Revisited, Metabolic and Other Implications of Treatment." LAC-USC Medical Center, Endocrine Grand Rounds, September 10, 1991.
146. Invited Lecturer, "Male contraception: Achievement of reversible azoospermia by combined gonadotropin releasing hormone antagonist and testosterone enanthate regimen. Tianjin International Symposium on LHRH Analogues, Tianjin, PRC, September 24-26, 1991.
147. Invited Lecturer, "Impact of Testosterone Therapy on Cognitive Sexual Behavior and Metabolic Dysfunction." Workshop on Psychoneuroendocrinology of Aging: The Brain as Target Organ of Hormones", University of Parma, Italy, October 8-9, 1991.
148. Invited Lecturer, "Reproduction in the Aging Male." 47th Annual Meeting, The American Fertility Society, Orlando, FL, October 19-24, 1991.
149. Meet the Professor Round Table, "Androgens and the Aging Male." Pacific Coast Fertility Society Annual Meeting, Indian Wells, CA, April 8-12, 1992.
150. National Institute of Aging, Festschrift for Reubin Andres, "Male Contraception in 1992: A View to the 21st Century." Baltimore, MD, May 5, 1992.
151. Keynote Address, "Medicine: On a Fast Track to Somewhere." St. Mary Medical Center Retreat, Lake Arrowhead, CA, September 25-27, 1992.
152. Invited Lecturer, "Androgens and Aging in Men: Considerations for Treatment to Decrease Frailty and Increase Quality of Life" and "Comparison of Pharmacokinetics and Pharmacodynamics of Testosterone Microcapsule Formulation on Los Angeles Caucasian and Hong Kong Chinese Hypogonadal Men." First Asian Oceanic Congress of Andrology. Nanjing, P.R. China, November 9-12, 1992.
153. Invited Lecturer, Visiting Professor Series, St. Mary's Medical Center, Long Beach, CA, January 20, 1993.

154. Invited Lecturer, Cedars-Sinai Medical Center, Los Angeles, CA. Endocrine Grand Rounds, "Androgen and Aging", February 16, 1993.
155. Invited Lecturer, City of Hope, Duarte, CA, Endocrine Grand Rounds "Testosterone and Aging", April 6, 1993.
156. NIH Special Consultant and Invited Participant, Contraceptive Development Branch, NICHD Ad Hoc Advisory Meeting on Long Term Planning, Rockville, Maryland, May 12-13, 1993.
157. Invited Participant and Session Chairman, Annual Meeting of Endocrine Society, "Role of Intratesticular Proteins and Peptides", Las Vegas, June 10-12, 1993.
158. Invited Participant/Consultant, CONRAD Technical Advisory Committee, "Male Systemic Methods for the Regulation of Fertility", Alexandria, Virginia, June 13-16, 1993.
159. Invited Lecturer, Boots Pharmaceutical, "Thyroid Dysfunction", Long Beach, June 15, 1993.
160. Invited Lecturer and Session Chairman, 4th Annual Meeting of the North American Menopause Society, "Impact of Male Menopause" and "Male Hormones and Aging", San Diego, CA, September 2-4, 1993.
161. Keynote Speaker, Argentina Society of Andrology, "Androgen Deficiency with Aging Male: Perspective on Treatment for the Male Menopause" and "Male Reproductive Physiology: Update with Implications for the Management of Reproductive Disorders", Buenos Aires, Argentina, Sept. 27 to Oct. 6, 1993.
162. Board Examiner for Andrology, Fakultas Kedokteran Universitas Airlangga, Surabaya, Indonesia, Nov. 11, 1993.
163. Invited Lecturer, Indonesia Society of Andrology, "Androgen and Aging in Men", Surabaya, Indonesia, Nov. 11-14, 1993.
164. Invited Lecturer, The VI National Annual Meetings of Pandi (Indonesian Society of Andrology), "Male Contraception: 1993 and Beyond" and "Effect of Aging on Male Reproductive System: Indications and Implications of Treatment with Androgens", Denpasar, Bali, Nov. 16-17, 1993.
165. Invited Lecturer, The IVth Asian Pacific Biannual Meeting on Impotence, "Endocrine and Laboratory Profile of Impotence in the Male", Denpasar, Bali, Nov. 18-20, 1993.
166. Program Chairman and Mayo Soley Award Presenter for William D. Odell, M.D., Chairman, Department of Medicine, University of Utah School of Medicine, Western Association of Physicians, Carmel, CA., Feb. 10, 1994.
167. Moderator for Clinical Debate, ASA 19th Annual Meeting, "Does Male Reproductive Function Change With Age?", Springfield, IL., Mar. 5, 1994
168. Visiting Professor, St. Mary Medical Center, "Male Contraception: From Fantasy Toward Reality", Long Beach, CA., Apr. 13, 1994.
169. Visiting Professor, University of Hawaii at Manoa, "Male Contraception from Fantasy Toward Reality" and "Andropause (Androgen Deficiency in the Aging Male) Implications for Therapy", Honolulu, Hawaii, April 25-May 1, 1994.



170. Visiting Professor, University of Wisconsin at Madison, "Aging and Androgens", "Male Reproductive Physiology - Application to Clinical Problems", "Regulation of Male Gonadal Function and its Relevance to Male Contraception", Madison, Wisconsin, May 18-20, 1994.
171. Visiting Professor, Temple University, "Andropause (Androgen Deficiency in the Aging Male) Implications for Therapy", Washington, D.C., June 7-9, 1994.
172. Chairman, Oral Session, Endocrine Society, "Hormonal Control of Spermatogenesis", Anaheim, California, June 15-18, 1994.
173. Chairman, Oral Session, Endocrine Society, "Endocrine Update on Male and Female Reproduction", Anaheim, California, June 15-18, 1994.
174. Invited Lecturer, Endocrinology Society "Contraception", Anaheim, California, June 15-18, 1994.
175. Invited Lecturer, Ashland Endocrine Conference, "Treating Male Hypogonadism: Optimizing Testosterone Delivery Systems", Oregon Health Sciences University, Portland, Oregon, August 3-6, 1994.
176. Invited Lecturer, John Hopkins University, School of Medicine, "Male Contraception: From Fantasy To Reality", Endocrine Grand Rounds, Baltimore, MD., Sept. 7, 1994.
177. Invited Lecturer, University of Maryland, Greater Baltimore Medical Center, "Genetic Defects in Sexual Differentiation and Hypogonadism", Baltimore, MD., Sept. 7, 1994
178. Invited Lecturer, Franklin Square Hospital Center, "Androgens and Aging", Medical Grand Rounds, Baltimore, MD., Sept. 8, 1994
179. Invited Lecturer, IIIrd International Symposium "New Perspectives of Andrology in Human Reproduction"; "The Effect of HIV Infection on Reproductive Function", Manado, Indonesia, September 19-24, 1994.
180. Invited Lecturer, KS Conference, "Clinical Manipulations and Treatment of Klinefelter's Syndrome", Anaheim, CA., Oct., 2, 1994.
181. Invited Lecturer, NIH Harbor-UCLA Clinical Study Center 25th Year Anniversary Program "Male Contraception: From Dream To Reality", Harbor-UCLA Medical Center, Torrance, CA, October 21, 1994.
182. Invited Lecturer, Medicine Grand Rounds, "Male Contraception: From Fantasy to Reality", Harbor-UCLA Medical Center, Torrance, CA., Dec., 6, 1994.
183. Invited Lecturer, St. Mary Medical Center, Visiting Professor Rounds, "Androgen Deficiency in the Aging Male-Risk and Reward of Androgen Treatment", Long Beach, CA., Dec. 21, 1994.
184. Invited Lecturer, "Androgens and Aging", Harbor/UCLA Medical Center, Torrance, CA. Obstetrics and Gynecology Grand Rounds. January 23, 1995.
185. Invited Lecturer, Pituitary Tumor Conference "Management of Infertility and Reproductive Dysfunction in Men with Pituitary Adenomas", Santa Monica, California, January 26-27, 1995.

186. Program Chairman, Advisory Committee Chairman, speaker, 2nd International Androgen Workshop. "Overview, Progress in Androgen Physiology and Pharmacology", "Overview, Male Contraception", "GnRH Analogues and Male Contraception", Long Beach, California, February 18-20, 1995
187. Invited Lecturer and Session Chairman, "Male Reproductive Dysfunction", American Andrology Society, Raleigh, North Carolina, March 31-April 4, 1995.
188. Invited Lecturer, Alton Ochsner Medical Foundation's and the American College of Physicians', Fifth Annual Jazz Festival Endocrinology Update, "Male Contraception: From Fantasy Towards Reality" and "Androgens and Aging", New Orleans, Louisiana, April 27-29, 1995.
189. Invited Lecturer and Consultant, "Hormonal Replacement for Aging Men", Lilly Corporation, May
190. Invited Lecturer & External Examiner for Ph.D. Program in Andrology, "Pathogenesis of Hypogonadal States and Associated Clinical Manifestations", Fakultas Kedokteran Universitas Airlangga, Surabaya, Indonesia, June 28-July 3, 1995.
191. Invited Lecturer, "Male Infertility - Causes, Diagnosis and Therapy", The University of Utah, "Update in Internal Medicine", Park City, Utah, July 11-13, 1995.
192. Visiting Lecturer, "Management of Hypercalcemia", St. Mary's Medical Center, Long Beach, CA., August 24, 1995.
193. Invited Participant, Advisory Board meeting on Androgens, Schering-Plough Corporation, Dana
194. Invited Lecturer, Third International Olympic Committee World Congress on Sports Sciences, "Androgen Physiology and Therapeutic Uses: Implications for Sports Medicine", Atlanta, Georgia, September 18, 1995.
195. Invited Participant, Workshop on Klinefelter's Syndrome, Johns Hopkins University, Departments of Medicine and Pediatrics, October 6, 1995.
196. Invited Lecturer, "Medical Management of Adults with Klinefelter's", National Conference on
197. Invited Participant, Workshop on Clinical Guidelines for Hormone Replacement Therapy (Post-Menopausal Women), Short Hills, New Jersey, November 6, 1995.
198. Invited Lecturer, "Androgen Deficiency in Aging: Implications for Management", Dermatology Grand Rounds, Center for Health Sciences, UCLA, November 28, 1995.
199. Invited Lecturer and Visiting Professor, "Male Contraception: From Fantasy Toward Reality", University of Texas, Southwestern Medical Center, Dallas Texas, December 5, 1995.
200. Invited Lecturer, "Sex Chromosome Aneuploidy: Klinefelter's Syndrome", Medicine Grand
201. Invited Lecturer, "Androgen Physiology and Action: Implications for Hypogonadism", Satellite Conference - Testosterone Deficiency Guide to Diagnosis and Treatment, American College of Physicians, San Francisco, CA April 24, 1996.
202. Invited Lecturer, "Male Contraception", Cedars Sinai Medical Center, Los Angeles, CA, May 2, 1996.
203. Invited Lecturer, "Androgen Treatment of Hypogonadism", Medicine Grand Rounds, Long Beach Memorial Hospital, UCI School Of Medicine, May 9, 1996.

204. Chair, Symposium on Male Contraception, International Congress of Endocrinology, San Francisco, June 1996.
205. Invited Lecturer, Klinefelter's Syndrome; Satellite Symposium on Testosterone Replacement Therapy in Males: Controversies in Diagnosis and Treatment, International Congress of Endocrinology, San Francisco, June, 1996.
206. Invited Lecturer, "Hypothalamic Pituitary Axis and Male Hypogonadism"; " Androgens in Aging Men." Nordic Baltic Course in Male Reproduction. National University of Vilnius, Lithuania. June 25-28, 1996.
207. Invited Lecturer, "The Genetic Basis for Neurocognitive Dysfunction in Klinefelter's Syndrome"; Turku University, Finland. July 1, 1996.
208. Invited Lecturer, National Klinefelter's Association and Scientific Advisory Committee Chairman, University of Washington, Seattle Washington, July 26-29, 1996
209. Invited Lecturer, "Androgen Physiology and Action: Implications for Patients with Low Testosterone Levels", Symposium on Testosterone Deficiency, Guide to Diagnosis and Treatment. Satellite Symposia, American Society of Family Medicine. October 3, 1996
210. Invited Lecturer, "Klinefelter's Syndrome", Endocrinology Grand Rounds, Cedars Sinai Medical Center, Beverly Hills, CA. October 8, 1996.
211. Invited Lecturer, "Sex Chromosome Aneuploidy" Endocrinology Conference, Drew School of Post Graduate Medicine, Los Angeles, CA. October 23, 1996
212. Invited Lecturer, Panelist, and Consultant, "Reproductive Dysfunction in the Aging Man," Wyeth-Ayerst Corporation, Philadelphia, PA. October 29-30, 1996.
213. Invited Lecturer, "Androgens and Aging", Sherman Oaks Hospital and Health Center, Sherman Oaks, CA. December 5, 1996.
214. Invited Lecturer, "Klinefelter's Syndrome - A Disorder With Many Faces", St Mary's Medical Center, Long Beach, CA. December 18, 1996.
215. Invited Lecturer, "Androgens and Aging", Los Angeles Gerontology Research Group, Los Angeles, CA., February 10, 1997.
216. Invited Lecturer "Hormonal Regulation of Germ Cell Apoptosis", Testis Workshop, Baltimore, MD, February 21, 1997.
217. Invited Lecturer "Hormonal Regulation of Apoptosis in the Spermatogenic Tubules" UCLA Combined Endocrinology Conference, Los Angeles, CA., April 2, 1997.
218. Invited Lecturer "Low Testosterone in Males: Evaluating and Treating the Androgen Deficient Patient with Heart Disease", American Association of Clinical Endocrinologists Annual Meeting, Philadelphia, PA, April 16, 1997.
219. Invited Lecturer "DHEA: The Fountain of Youth" City of Hope, Duarte, CA, May 7, 1997.
220. Chair, Symposia on Erectile Dysfunction. Chair, Symposia on Male Contraception Endocrine Society Conference, Minneapolis, Minnesota, June, 19, 1997.

221. Invited Lecturer "Maintenance of Azoospermia with Testosterone After Induction with GnRH Antagonist". Summit Meeting on Male Contraception, Weimer, Germany. June 30, 1997.
222. Invited Lecturer "Mechanism of Androgen Action and Androgen Metabolism". International Conference on Aging. Weimer, Germany. July 1, 1997
223. Invited Lecturer "Regulation of the Hypothalamic-pituitary Axis and Male Hypogonadism", "Androgens in Aging Men", "Prostatic Diseases and Androgens", "Male Sexual Dysfunction" WHO Conference on Andrology, Irkutsk, Russia. July 3, 1997.
224. Invited Lecturer "Klinefelter's Syndrome", Northwestern University, Chicago, Ill. July 24, 1997
225. Invited Lecturer "Manifestations of Klinefelter's Syndrome" , "Research in Klinefelter's Syndrome". National Klinefelter's Association Annual Meeting. Chicago, Ill. July 25-27, 1997
226. Invited Lecturer "Hormonal Regulation of Germ Cells: Apoptosis", "Hormone in the Aging Man: To Treat or Not to Treat?". Panitia Kongres Nasional. Bandung, Indonesia. August 7-9, 1997.
227. Invited Lecturer: "Critical Review of Manuscripts" Clinical Studies Center, Harbor-UCLA Medical Center, Torrance, CA September 4, 1997.
228. Invited Lecturer: "X and Ys: Too few, Too Many." Chair session on Genes, Cognition and Behavior. Advances in Social Brain, The Cure Autism Now Foundation and The John Douglas French Alzheimer's Foundation, Portofino Hotel, October 25-26, 1997.
229. Invited Lecturer: "DHEA: Fountain of Youth?" West Los Angeles Veterans Association, West Los Angeles, CA, February, 1998.
230. Invited Lecturer: Androgens and Cognitive Function, John Douglas Alzheimer's Foundation, Los Angeles, CA February, 1998
231. Invited Lecturer: "DHEA: Fountain of Youth? American College of Physicians Annual Scientific Meeting, Indian Wells, CA, February, 1998
232. Invited Lecturer: Male Menopause (Androderm), Intercommunity Hospital Medicine Grand Rounds, West Covina, CA. March, 1998
233. Invited Lecturer: "DHEA: Fountain of Youth?" Cedars Sinai Medical Center Medicine Grand Rounds, Los Angeles, CA. March, 1998
234. Invited Lecturer: "Evaluation and management of Male Hypogonadism." UC Irvine Medical Center Medicine Grand Rounds. Irvine, CA. April, 1998
235. Invited Lecturer, chair mini-symposium: "DHEA: The Fountain of Youth?" Society for the Study of Reproduction, College Park Texas. August, 1998
236. Invited Lecturer: "DHEA: The Fountain of Youth?" USC Endocrine Grand Rounds, Los Angeles, CA. September, 1998
237. Invited Participant: Serono Symposium. "Progress in Reproductive Endocrinology and Infertility." London England. September, 1998

238. Invited Plenary Lecturer: "New Perspectives, Applications and Strategies for Androgen Therapy." Canadian Society of Endocrinology and Metabolism, Royal College of Physicians and Surgeons. Toronto, Canada, September, 1998.
239. Invited Speaker: "Does Germ Cell Apoptosis Play a Role in Clinical Andrology?" American Society of Andrology Postgraduate Course, Louisville, Kentucky, April, 1999
240. Invited Speaker: "Hormonal Aspects of Sexuality." Italian Endocrine Society Annual Meeting. Turin, Italy. May, 1999
241. Invited Speaker: Clinical Use of Testosterone Assays. Endo '99 Endocrine Society Meeting, San Diego, CA. June, 1999
242. Invited Discussion Leader: "Androgen Therapy and the Cardiovascular System: What Risks and How to Monitor". 3<sup>rd</sup> Summit Meeting on Hormonal Male Contraception, Tours, France. June, 1999
243. Invited Speaker: "DHEA: Rage for the Age" Endocrine Society Update Meeting, Los Angeles, CA October, 1999.
244. Invited Speaker: "Effects of Aging and Hypogonadism on Male Health" and "Male Osteoporosis: Pathophysiology, Evaluation and Therapy Glaxo Wellcome, Raleigh, North Carolina, October, 1999.
245. Invited Speaker: "DHEA: Rage for the Age". Endocrine Grand Round, VA Wadsworth, West Los Angeles, CA October, 1999
246. Invited Speaker: "Frailty, Disability, Immobility and Dependence; Researchable Aspects" Second International Workshop on the Aging Male. Jenapharm, Weimar, Germany. November, 1999
247. Invited Speaker: "Klinefelter Syndrome: A Little X-tra Doesn't Always Help. Medicine Grand Rounds. University of Utah School of Medicine. Salt Lake City, Utah. November 1999.
248. Invited Speaker: "Klinefelter Syndrome: A Model for Cognitive Dysfunction?" UCARE Workshop, John Douglas French Alzheimer's Foundation, Los Angeles, CA December, 1999
249. Invited Speaker: "Male Contraception" Kaiser Permanente, Harbor City, CA. December, 1999
250. Invited Speaker: "Klinefelter Syndrome" St Mary Medical Center Visiting Professor Conference, Long Beach, CA., December, 1999
251. Invited Speaker: "Klinefelter Syndrome" Cedars-Sinai Endocrine Grand Rounds. Los Angeles, CA. December 1999
252. Invited Chair: Endocrine Society AndroPause Consensus 2000: Advances in Testosterone Therapy Task Force. Beverly Hills, CA. April 2000
253. Invited Speaker: "Regulation of Germ Cell Apoptosis: Implications for Male Contraception and Infertility". California State University at Dominguez Hills Sigma XI Awards and Induction Reception. May 2000
254. Invited Speaker: "Androgens and Aging" Academy of Medicine, Los Angeles, CA May 2000
255. Invited Speaker: "AndroGel" Unimed Conference, Dallas, Texas, June 2000

- 256. Invited Speaker: "Androgens and Aging Man". National Institutes of Health, Bethesda, MD, June 2000.
- 257. Invited Speaker: "Testosterone Replacement in Men: Emerging Clinical Issues" Endocrine Society Meetings, Toronto, Canada, June 2000
- 258. Invited Speaker: "Testosterone Gel Improves Sexual Function, Mood, Muscle Strength, and Body Composition" Endocrine Society Meetings, Toronto, Canada, June 2000
- 259. Invited Speaker: "The Role of Apoptosis in Hormonal Male Contraception" IVth Summit Meeting on Hormonal Male Contraception, Bologna, Italy, June 2000
- 260. Invited Speaker: "Ontogeny of the germ cell and Leydig cell defects: somatic or germ cell problems?" National Institutes of Health Klinefelter's Syndrome Conference, Bethesda, MD. August 2000
- 261. Invited Speaker: "Androgen Replacement", Urology Grand Rounds, Harbor-UCLA Medical Center, Torrance, CA. August 2000
- 262. Invited Speaker: "Androgens and the Older Man", Medicine Grand Rounds, Harbor-UCLA Medical Center, Torrance, CA, Sept. 2000
- 263. Invited Speaker: Pediatric Grand Rounds "Klinefelter's Syndrome. Harbor UCLA Medical Center. October 2000.
- 264. Invited Speaker: "The Elderly and Hormone Replacement", Berlin, Germany. October 2000
- 265. Invited Speaker: "Ontogeny of the Germ Cell and Leydig Cell Defects - Somatic or Germ Cell Problems", Klinefelter Syndrome Conference, Sacramento, CA. October 2000
- 266. Invited Moderator: "Therapy and Management of XXY Klinefelter Syndrome", Klinefelter Syndrome Conference, Sacramento, CA October 2000
- 267. Invited Speaker: "Klinefelter's Syndrome: What Happens to Kids as They Become Adults", Pediatric Grand Rounds Harbor-UCLA Medical Center, Torrance, CA. October 2000
- 268. Invited Speaker: "Androgen Replacement Therapy: Benefits and Possible Risks" Menopause and Male Menopause: The Best Is Yet to Come Conference, San Rafael, CA. October 2000
- 269. Invited Speaker: "Klinefelter's Syndrome", San Francisco, CA December 2000
- 270. Invited Speaker "Klinefelter Syndrome: A Little X-tra X doesn't Always Help." Baylor Medical Center, Houston Texas. December 2000.
- 271. Invited Speaker: "Maintenance of azoospermia by testosterone after inductions by GnRH antagonists in normal men"; "Effect of GnRH agonists on induction of azoospermia in normal men"; and "Mechanisms by which GnRH antagonists suppress sperm counts: role of germ cell apoptosis". GnRH Workshop, NIH, Bethesda. January 2001
- 272. Invited Speaker: "Pharmacodynamic effects of testosterone". Conference on Womens Health, Palm Beach, Florida. February 2001
- 273. Speaker/facilitator: "Male Hormone Replacement: A discussion of Intervention Strategies". EDU-Medical Workshop. Scottsdale, Arizona, March 2001

- 274. Speaker/facilitator: "Male Hormone Replacement: A discussion of Intervention Strategies". EDU-Medical Workshop. San Diego, CA March 2001
- 275. Visiting Professor: "KS: From Mice to Men". St. Mary's Medical Center. April 2001
- 276. Invited Speaker: "Testosterone Replacement Therapy in Men: Emerging Clinical Issues". American Association of Clinical Endocrinology. San Antonio, Texas, May 2001
- 277. Invited Speaker: "Androgen Therapy in Men and Women". Western Hormone Alliance Meeting. Emerald Lake, Canada. May 2001
- 278. Invited Consultant: "Hormonal Needs in Men". Johnson & Johnson. New Brunswick, New Jersey. May 2001.
- 279. Invited Consultant: Dutasteride Investigators Meeting. Seattle, WA. May 2001
- 280. Invited Speaker: "Clinical Picture of ADAM, Muscles and Mentation". Society for Study of Male Reproduction. Anaheim, CA. June 2001
- 281. Invited Consultant: CONRAD TAC, Washington, DC, June 2001
- 282. Invited Speaker/facilitator: "Male Hormone Replacement: A discussion of intervention strategies". Fullerton, CA June 2001
- 283. Invited Speaker: "Ethnic Differences in Male Reproductive Function." International Congress of Andrology. Montreal, Canada June 2001
- 284. Invited Speaker: "Controversies in Andrology"; "Androgen Therapy: New Indications and New Formulations"; "Hypogonadism: Diagnosis, Consequences, and New Treatment Strategies"; "Breakthroughs in Male Contraception" Endocrine Society Denver, CO. June 2001
- 285. Invited Consultant: "Ethnic Differences in Male Reproductive Function" International Pituitary Conference. Phoenix, AZ, June 2001
- 286. Invited Speaker: 5<sup>th</sup> Summit Meeting on Male Hormonal Contraception, Geneva, Switzerland. July 2001
- 287. Invited Speaker: "Andropause". Unimed/EDU-Medical. September 2001
- 288. Invited Speaker: "Androgen Replacement in Older Men: Treating the Andropause". Endocrine Society. Chicago, Ill. September 2001
- 289. Invited Speaker: "Male Hormone Replacement" Scripps Mercy Hospital, La Jolla, CA. October 2001
- 290. Invited Speaker: "Sex Hormones & Fertility Issues in Pituitary Disease". UCLA Patient Support Group for Pituitary Dysfunction. University of California, Los Angeles. Los Angeles, CA October 2001
- 291. Invited Speaker: "Androgens and Aging". California Hospital Medical Center, Los Angeles, CA. November 2001
- 292. Invited Speaker: "Aging in Male: Andropause, Somatopause, Adrenopause". University of California, Irvine. Irvine, CA. December 2001

- 293. Invited Speaker: "KS: Of Mice and Men". 2<sup>nd</sup> International Huaxia Congress of Endocrinology. Huaxia, China. December 2001
- 294. Invited Speaker: "Andropause: To Treat or Not to Treat." St. Mary's Medical Center Long Beach, CA, 2002
- 295. Invited Speaker: "Future of Androgen Treatment in Aging Male." European Association of Urologists. Birmingham, UK. February 2002
- 296. Invited Speaker: "Androgens and Aging." Los Angeles Veterans Hospital, March 2002
- 297. Invited Speaker: "Testosterone: 1. There is much more to sex steroids than sex 2. Andropause :To treat or not to treat 3. Androgen Deficiency in women: what's going on?" Current Issues in Endocrinology for Primary Care Practice. Symposia Medicus, Cabo San Lucas. March 2002
- 298. Invited Speaker: "Male Infertility for the new millennium"; "Male contraception"; "Androgens and the aging male." Pacific Coast Reproductive Society. Palm Springs, CA. April 2002
- 299. Invited Speaker: "Male hypogonadism prevalence diagnosis" Satellite Conference, American Association of Andrology Annual Meeting, Seattle, WA. April 2002
- 300. Invited Speaker: "Androgens." Endocrine Grand Rounds, Indiana University, Indianapolis. May 2002
- 301. Invited Speaker: "Adult/adolescent testosterone replacement: when, how much, and new delivery systems." Annual Klinefelter's Syndrome Conference. Seattle, WA October 2002
- 302. Invited Speaker: "Ethnic Variation in the Hypothalamic Pituitary Testicular Regulation of Male Fertility." First Asian-Pacific Forum on Andrology. Shanghai, China October 2002
- 303. Invited Speaker: "Androgens in aging men." University of Calgary, Canada. November 2002
- 304. Invited Speaker: "Impotence and fertility in men: treatment options." California Pituitary Conference, Los Angeles, CA November 2002
- 305. Invited Speaker: "Transdermal Replacement of Testosterone with a Gel: a progress?" ESSIR, Hamburg, Germany, December 2002
- 306. Invited Speaker: "Andropause - A modern controversy" Florida, December 2002.
- 307. Invited Speaker: "Use of Testosterone in Men" UCLA, Los Angeles, CA, December 2002.
- 308. Invited Speaker: "Management of androgen deficiency & infertility in men with hypopituitarism", KIGS/KIMS Conference, Puerto Rico, January 2003
- 309. Visiting Professor: "Clinical Management of Androgen Deficiency in the Aging Male" Solvay Pharma. Toronto, Canada, February 2003
- 310. Invited Speaker: "Androgen deficiency in the older man" West Los Angeles Veterans Hospital, February 2003
- 311. Invited Speaker: "Andropause management, signs, symptoms" Asian ISSAM Taipei, Taiwan, March 2003



- 312. Invited Speaker: "Practical implications in the use of testosterone gel" TestoGel Symposium EAU, Madrid, March 2003
- 313. Invited Speaker: "Androgen deficiency in the older man: why, who, when, and how to treat" University of California, San Francisco March 2003
- 314. Invited Speaker: "Sexual function, mood, and quality of life outcomes in testosterone replacement studies" Inst of Medicine, Phoenix, AZ, March 2003
- 315. Invited Chair and speaker of Solvay Pharmaceutical Preceptorship, "Andropause" and "Klinefelter Syndrome" Torrance, CA, April 2003
- 316. Visiting Professor, St Mary Medical Center, Long Beach, CA: "Testosterone replacement therapy: repercussions from the Women's Health Initiative. April 2003
- 317. Invited Consultant: "Benefits of Testosterone Replacment on Diabetes, Lipid and Cardiovascular Disease" Merck Pharmaceuticals, New Jersey. May 2003.
- 318. Invited Speaker: "Benefits of T Replacement on Diabetes, Lipids, and Cardiovascular Disease". AACE Twelve Annual Meeting and Clinical Conference. San Diego, CA May, 2003
- 319. Invited Speaker: "Newest Insights Regarding Andropause". Hoag Hospital, Newport Beach, CA. May 2003.
- 320. Invited Speaker: "Beyond Puberty: Screening and Diagnosis of Male Hypogonadism Throughout the Life Cycle in Healthy Men", Endocrine Society Meetings, Philadelphia, PA. June 2003
- 321. Invited Speaker: "Benefits of Testosterone Replacement in the Aging Male", Endocrine Society Meetings, Philadelphia, PA. June 2003
- 322. Invited Speaker: "Treatment of Hypogonadism & Its Clinical Impact", Endocrine Society Meetings, Philadelphia, PA. June 2003
- 323. Invited Speaker: "Hypogonadism" Scripps Mercy Hospital Grand Rounds, San Diego, CA, August 12, 2003
- 324. Invited Speaker: "Assessment of dosage in modified androgens" Male Hormone 7th summit mtg Castle Elmau Germany, Sept 25-30, 2003
- 325. Invited Speaker: "New approaches to male contraception"; "Secondary risks & benefits of hormonal male contraception" Contraceptive Poatgraduate course ASRM, San Antonio, TX. October 12, 20003
- 326. Invited Speaker: "Mgmt of KS in adult men" Canadian Diabetes Association, Ottawa October 16-18, 2003
- 327. Invited Speaker: "Research & new discoveries and developments concerning XXY KS" Cypress, CA Oct 23-25, 2003
- 328. Invited Speaker: "Androgens and the Aging Male". Combined Endo Conference, University of Cincinnati. November 17-18, 2003

329. Invited Speaker: "Treating Pituitary Failure – A Practical Approach"; Panel discussion: Strategies to Raise Pituitary Awareness Locally and World-Wide." Pituitary Conf, Rancho Mirage, CA Westin Mission Hills Resort 760. December 13, 2003
330. Visiting Professor and Invited Speaker: "Androgens and Cardiovascular Disease". St Mary's Medical Center. Long Beach, CA January 21, 2004
331. Invited Speaker: Scientific advisory board; co-chair plenary symposium: "Testosterone and Erectile Dysfunction"; panel member: "Diagnosis, treatment and monitoring of 'acquired' hypogonadism, the controversies on measurement of 'testosterone' and other items". 4th World Cong Aging Male, Prague, Czech Republic. February 26-29, 2004
332. Invited Consultant and speaker: "Androgens and Estrogens in the aging male". Eli Lilly Indianapolis, Indiana, March 9, 2003
333. Invited Speaker: "Guidelines for Treatment of the Elderly Male"; "Outcomes of Prague aging male congress"; "Key points from Prague mtg". Ardara Symposium Brighton, England. March 24, 2004
334. Invited Speaker: "Osteoporosis in Men"; "Androgen Replacement - Current and Future". 4th Asian & Oceanic Congress of Andrology Malaysia March 26-28, 2004
335. Invited Speaker: "Androgens and Cardiovascular Disease". AACE Conference; Solvay Symposium Boston April 28-May 2, 2004
336. Invited Speaker: "Androgens and Cardiovascular Disease". UCLA/Veterans Association Medical Center Endocrine Grand Rounds May 7, 2004
337. Invited Speaker: "Androgens and Cardiovascular Disease". Harbor-UCLA Medical Center Endocrine Clinical Conference July 21, 2004
338. Invited Speaker: "Spermatogenesis: Hormonal Control". National Institutes of Health meeting. Seattle, Washington. September 29-Oct 2/04
339. Invited Keynote Speaker: "Male Androgen Deficiency, Diagnosis And Treatment". Scientific Cmte NACE Endocrine Program. Hallandale Beach, FLA 16-Oct-04
340. Invited Speaker: "Hormonal Regulation of Cell Death in the Testis: Implications for Contraceptive Development" Johns Hopkins Baltimore, MD October 25-26, 2004
341. Invited Speaker: "Effects of Testosterone on Body Composition, Bone and Brain: Do Benefits of Testosterone Treatment Outweigh the Risks?" Endocrine Society Pri-Med CME Course. Boston, MA October 29, 2004
342. Invited Speaker: "Effects of Testosterone on Body Composition, Bone and Brain: Do benefits of Testosterone Treatment Outweigh the Risks?" Endocrine Society Pri-Med CME Course. Washington DC November 18, 2004
343. Invited Speaker: "Impotence & Infertility in men: Diagnosis and Treatment Options". UCLA Pituitary Conference. Los Angeles, CA December 4, 2004
344. Invited Speaker: "Androgens and Aging". University of California San Diego Endocrine Grand Rounds January 26, 2005

- 345. Invited Speaker: "Importance of NO in Human Reproduction". Western Regional Meetings Carmel, CA February 2-5, 2005.
- 346. Invited Speaker: "Impotence & Infertility in men: Diagnosis and Treatment Options". Acromegaly Symposium. Santa Monica, CA March 20, 2005
- 347. Invited Symposium Chair: "Male Contraception". Testis Workshop, Seattle WA. March 30-April 2, 2005.
- 348. Invited Visiting Professor: "Klinefelter's Syndrome" St Mary's Medical Center, Long Beach, CA. April 8, 2005.
- 349. Invited Visiting Lecturer: "Male Hypogonadism: An Update on Diagnosis and Treatment" Ardana Pharmaceutical. England and Scotland. April 18-20, 2005.
- 350. Invited Speaker: Plenary lecture: "Male contraception"; symposium "Androgen therapy transdermic, pharmacokinetic and clinical results"; "Androgens and the aging male". COPAEN PanAmerican Congress of Endocrinology Punta Cana Dominican Republic. April 20-24, 2005.
- 351. Invited Speaker: Plenary debate: "Androgens for Aging Men". 8th International Congress of Andrology. Seoul, Korea June 12-16, 2005
- 352. Invited Speaker: Harbor-UCLA Basic Science Conference: Career Pathways in Biological Sciences. Torrance, CA July 26, 2005
- 353. Invited Consultant: "Current Knowledge and Future of Male Androgen Replacement Therapy. Urology Advisory Board, Orion Pharmaceutical. Helsinki, Finland September, 2005.
- 354. Invited Speaker: "Hypogonadism and Testosterone Treatment." West Los Angeles Veterans Administration Hospital. West Los Angeles, CA. October, 2005
- 355. Invited Speaker: "Dietary Influences n Male Reproductive Functions"; Chair: "General Clinical and Research Issues" 9<sup>th</sup> Hormonal Summit Meeting. Geneva, Switzerland. October, 2005
- 356. Invited Speaker: "Future Research for Male Contraceptives." International Committee for Contraceptive Research. New York, NY October, 2005
- 357. Invited Speaker: "Low T: how and why to treat." Cross Town Endocrine Society. Phoenix, Arizona. December 2005
- 358. Visiting Professor: "Of Mice and Men" St Mary's Medical Center. February, 2006
- 359. Invited Speaker: "TRT Replacement" Health Canada Ottawa, Canada, February, 2006
- 360. Invited Speaker: "Why & how is the "extra X" in 47, XXY Males so harmful" ASA Chicago, IL April, 2006
- 361. Invited Speaker: " Genetics of Germ Cells" European Testis Workshop. Bavaria Germany. April, 2006
- 362. Invited Speaker: "XXY mouse model for Klinefelter syndrome" European Testis Workshop. Bavaria Germany. April, 2006
- 363. Invited Speaker: "Klinefelter Syndrome: Of Mice and Men" Cedars Sinai Medical Center, Los Angeles, CA May, 2006

- 364. Invited Speaker: "Diagnosis and treatment of hypogonadism in elderly men" Scripps Mercy Hospital, San Diego, CA. May, 2006
- 365. Invited to Debate: "Debate title: pro for "Is there a role for androgen replacement therapy for hypogonadism of aging men?" Endocrine Society Annual Meeting. Boston, MA June, 2006
- 366. Invited Speaker: Testosterone Deficiency in Men: Evidence-Based Protocols for Effective Therapy Haymarket Dinner Meeting, Las Vegas, Nevada September, 2006
- 367. Invited Speaker: Testosterone Deficiency in Men: Evidence-Based Protocols for Effective Therapy Haymarket Dinner Meeting, La Jolla, CA October, 2006
- 368. Invited Speaker: Testosterone Deficiency in Men: Evidence-Based Protocols for Effective Therapy Haymarket Dinner Meeting, Beverly Hills, CA, October 2006
- 369. Invited Speaker: "Klinefelter syndrome: how an extra X may hurt you" Children's Hospital, Los Angeles, CA. November, 2006
- 370. Invited Speaker: "The Present State of Male Contraception" XX Reunion ALIRH Buenos Aires, Argentina April, 2007
- 371. Invited Speaker: "Prevalence, Pathophysiology, and Clinical Manifestations" Medscape internet lecture. January, 2008
- 372. Invited Speaker: "Can New Approaches for Androgen Substitution Replace Testosterone Therapy? 6th World Congress on The Aging Male, Tampa Fla. February, 2008
- 373. Invited Speaker: "Hypogonadism guidelines" 6th World Congress on The Aging Male. Tampa Fla. February, 2008
- 374. Invited Chair: Plenary session, "Is there a place for hormonal substitution in older men?" 6th World Congress on The Aging Male. Tampa Fla. February, 2008
- 375. Invited Speaker: "Diagnosis and Management of Hypogonadism in Primary Care Settings." 6th World Congress on The Aging Male. Tampa Fla. February, 2008
- 376. Invited Speaker: "Novel Testosterone Formulations and Dosing: Potential Impact on Treatment and Outcomes" Testosterone Update Conference. University of California Los Angeles, March, 2008
- 377. Invited Speaker: "Hypogonadism in the Aging Male" West Los Angeles VA Endocrine Grand Rounds. March, 2008
- 378. Invited Speaker: "Androgens and the Aging Male" Cedars-Sinai Medical Center. Endocrine Grand Rounds. March, 2008
- 379. Invited Speaker: "Diagnosing hypopituitarism and initiating replacement therapy – the big picture" Pituitary Conference, Beverly Hills, CA. May, 2008
- 380. Invited Symposium Chair: "updates on Klinefelter Syndrome" Endocrine Society meeting 2008. San Francisco, CA June, 2008
- 381. Invited Speaker: "Diagnostic dilemmas in the diagnosis of male hypogonadism (age, chronic & acute illness, assays)" Endocrine Society meeting 2008. San Francisco, CA June, 2008

- 382. Invited Speaker: "Adherence Considerations with Testosterone Therapy" Endocrine Society meeting 2008. San Francisco, CA June, 2008
- 383. Invited Speaker: "Male historic and ontogenic aspects aging male." Aging Male Conference Bezelius Symposium Malmo Sweden September, 2008
- 384. Invited Speaker: "T deficiency symptoms and problems related to ED" sponsored by Bayer "Why is androgen therapy more common in US than in Europe? What are the core benefits of androgen therapy a communication issue with pts & other physicians?" Aging Male Conference Bezelius Symposium Malmo Sweden September, 2008
- 385. Invited Speaker: "Androgen deficiency in the aging man; implications for patient and physician" Harbor-UCLA Medical Center Medicine Grand Rounds. October 2008
- 386. Invited Speaker: University of Southern California Endocrine Grand Rounds. October, 2008
- 387. Invited Speaker: "Male gonadal axis eval & Treatment of hypogonadism" and "Testosterone Therapy" University of California, Los Angeles. November, 2008
- 388. Invited Speaker: "Androgens in Men" Providence Holy Cross Medical Center - Mission Hills, CA December, 2008
- 389. Invited Speaker: "Male Hypogonadism: Changing Concepts in Diagnoses and Management" University of California, Davis December, 2008

## **BIBLIOGRAPHY**

Ronald S. Swerdloff, M.D.

### **PUBLICATIONS:**

#### **A. RESEARCH PAPERS - PEER REVIEWED**

1. Andres, R., R.S. Swerdloff, Pozefsky and D. Coleman: Manual feedback technique for the control of blood glucose concentration. Automation in Analytical Chemistry, Mediad, Inc., New York, 1966, pp. 486-491.
2. Swerdloff, R.S., the. Pozefsky, J.D. Tobin and R. Andres: Influence of age on the intravenous tolbutamide response test. Diabetes 16: 161-170, 1967.
3. Odell, W.D. and R.S. Swerdloff: Progestogen-induced luteinizing and follicle stimulating hormone surge in postmenopausal women: A simulated ovulatory peak. Proc Natl Acad Sci. 61: 529-536, 1968.
4. Swerdloff, R.S. and W.D. Odell: Some aspects of the control of secretion in LH and FSH in humans. In: Gonadotropins, E. Rosenberg (ed), Geron-X, Inc., Los Altos, California, 1968, pp. 155-162.
5. Swerdloff, R.S. and W.D. Odell: Feedback control of gonadotropin secretion. (Letters to the editor) Lancet 2: 683, 1968.
6. Swerdloff, R.S. and W.D. Odell: Serum luteinizing and follicle stimulating hormone levels during sequential and nonsequential contraceptive treatment of eugonadal women. J Clin Endocrinol Metab 29: 157-163, 1969.
7. Swerdloff, R.S., P.C. Walsh, H.S. Jacobs and W.D. Odell: Serum LH and FSH during sexual maturation in the male rat: Effect of castration and cryptorchidism. Endocrinology 88: 120-128, 1971.
8. Walsh, P.C., R.S. Swerdloff and W.D. Odell: Cryptorchism: Effect on pituitary gonadotropin secretion in the rat. Surg Forum 21: 530-532, 1970.
9. Abraham, G.E., R.S. Swerdloff, D. Tulchinsky, K. Hopper and W.D. Odell: Radioimmunoassay of plasma 17-hydroxyprogesterone. J Clin Endocrinol Metab 33: 42-46, 1971.
10. Abraham, G.E., K. Hopper, D. Tulchinsky, R.S. Swerdloff and W.D. Odell: Radioimmunoassay of plasma progesterone. J Clin Endocrinol Metab 32: 619-624, 1971.
11. Swerdloff, R.S., H.S. Jacobs and W.D. Odell: Hypothalamic-pituitary-gonadal interrelationships in the rat during sexual maturation. International Symposium on Gonadotropins. Gonadotropins, 1972, pp. 546-566.
12. Swerdloff, R.S., H.S. Jacobs and W.D. Odell: Synergistic role of progestogens in estrogen induction of LH and FSH surge. Endocrinology 90: 1529, 1972.

13. Gellert, R.J., W.L. Heinrichs and R.S. Swerdloff: DDT homologues: Estrogen-like effects on the vagina, uterus and pituitary of the rat. *Endocrinology* 91: 1095-1100, 1972.
14. Walsh, P.C., R.S. Swerdloff and W.D. Odell: Cyproterone: Effect of serum gonadotropins in the male. *Endocrinology* 90: 1655-1659, 1972.
15. Saiduddin, S., G.A. Bray, D.A. York and R.S. Swerdloff: Reproductive function in the genetically obese "fatty" rat. *Endocrinology* 93: 1251-1256, 1973.
16. Abraham, G.E., W.D. Odell, R.S. Swerdloff and K. Hopper: Simultaneous radioimmunoassay of plasma, FSH, LH, progesterone, 17-hydroxyprogesterone, and estradiol 17-beta during the menstrual cycle. *J Clin Endocrinol Metab* 34: 312-318, 1972.
17. Swerdloff, R.S., P.C. Walsh and W.D. Odell: Control of LH and FSH secretion in the male: Evidence that aromatization of androgens to estradiol is not required by inhibition of gonadotropin secretion. *Steroids* 20: 13-22, 1972.
18. Walsh, P.C., R.S. Swerdloff and W.D. Odell: Feedback regulation of gonadotropin secretion in men. *J Urol* 110: 84-89, 1973.
19. Walsh, P.C., R.S. Swerdloff and W.D. Odell: Feedback control of FSH in the male: Role of estrogen. *Acta Endocrinol* 74: 449-460, 1973.
20. Walsh, P.C. and R.S. Swerdloff: Testosterone: Effect on rat testis. *Surg Forum* 23: 1972.
21. Odell, W.D., R.S. Swerdloff, H.S. Jacobs and M.A. Hescox: FSH induction of sensitivity to LH: The cause of sexual maturation in the male rat. *Endocrinology* 92: 160-165, 1973.
22. Bray, G.A., D.A. York and R.S. Swerdloff: Genetic obesity in rats. I. Effects of food restriction on body composition and hypothalamic function. *Metabolism* 22: 435-554, 1973.
23. Walsh, P.C. and R.S. Swerdloff: Biphasic effect of testosterone on spermatogenesis in the rat. *Invest Urol* 11: 190-193, 1973.
24. Swerdloff, R.S. and P.C. Walsh: Testosterone and estradiol suppression of LH and FSH in adult male rats: Duration of castration, duration of treatment and combined treatment. *Acta Endocrinol* 73: 11-21, 1973.
25. Swerdloff, R.S., P.K. Grover, H.S. Jacobs and J. Bain: Search for a substance which selectively inhibits FSH-effects of steroids and prostaglandins on serum FSH and LH levels. *Steroids* 21: 703-722, 1973.
26. Walsh, P.C., and R.S. Swerdloff: Experimental cryptorchidism: Effect on serum LH and FSH in the rat. *Urol Res* 1: 22-26, 1973.
27. Odell, W.D., R.S. Swerdloff, J. Bain, F. Wollesen and P.K. Grover: The effect of sexual maturation on testicular response to LH stimulation of testosterone secretion in the intact rat. *Endocrinology* 95: 1380-1384, 1974.
28. Gellert, R.J., W.L. Heinrichs and R.S. Swerdloff: Effects of neonatally administered DDT homologs on reproductive function in male and female rats. *Neuroendocrinology* 16: 84-94, 1974.
29. Odell, W.D. and R.S. Swerdloff: Feedback control of pituitary gonadotropins. *Adv Biosci* 15: 141-162, 1975. Pergamon Press, New York.

30. Mayekawa, M.T., J.J. Distefano III, and R.S. Swerdloff: A dynamic system model of testosterone transport and metabolism in normal man. *Ann Biomed Engin* 2: 307-320, 1974.
31. Swerdloff, R.S. and W.D. Odell: Hormonal mechanisms in the onset of puberty. *Postgrad Med J* 51: 200-208, 1975.
32. Wollesen, F., R.S. Swerdloff and W.D. Odell: LH and FSH responses to luteinizing releasing hormone in normal fertile women. *Metabolism* 25: 1275-1285, 1976.
33. Wollesen, F., R.S. Swerdloff and W.D. Odell: LH and FSH responses to luteinizing-releasing hormone in normal, adult, human males. *Metabolism* 25: 845-863, 1976.
34. Swerdloff, R.S. and the. Rubin: Psychological and endocrinological changes in puberty. In: *Perspective in Endocrine Psychobiology*, F. Brambila, P.K. Bridges, E. Endroczi and G. Heuser (eds), Akademiai Kiado, Budapest, 1978, pp. 287-308.
35. Swerdloff, R.S. and P.C. Walsh: Pituitary and gonadal hormones in patients with varicocele. *Fertil Steril* 26: 1006-1012, 1975.
36. Ford, C.V., G.A. Bray and R.S. Swerdloff: A psychiatric study of patients referred with a diagnosis of hypoglycemia. *Am J Psych* 133: 290-294, 1976.
37. Swerdloff, R.S., R.A. Batt and G.A. Bray: Reproductive hormonal function in the genetically obese (ob/ob) mouse. *Endocrinology* 98: 1359-1364, 1976.
38. Odell, W.D. and R.S. Swerdloff: Etiologies of sexual maturation. *Recent Prog Horm Res* 32: 245-288, 1976.
39. Odell, W.D. and R.S. Swerdloff: The role of testicular sensitivity to gonadotropins in sexual maturation of the male rat. *J of Steroid Biochem* 6: 853-857, 1975.
40. Glass, A.R., R. Harrison and R.S. Swerdloff: Effect of undernutrition and amino acid deficiency on the timing of puberty in rats. *Ped Res* 10: 951-955, 1976.
41. Bray, G.A., S. Saiduddin, D.A. York and R.S. Swerdloff: Effect of estradiol on uterine weight, thyroid function, food intake and pituitary weight of genetically obese (fatty-zucker) and lean rats. *Proc Soc Exp Biol Med* 153: 88-91, 1976.
42. Kikuchi, the., R. Skowsky, I. Eltoraei and R.S. Swerdloff: Pituitary gonadal axis in spinal cord injury. *Fertil Steril* 27: 1142-1145, 1976.
43. Glass, A.R., R.S. Swerdloff, G.A. Bray, with. Dahms and R. Atkinson: Low serum testosterone and sex-hormone-binding-globulin in massively obese men. *J Clin Endocrinol Metab* 45: 1211-1219, 1977.
44. Finch, C.E., V. Jonec, J.R. Wisner, Jr., Y.N. Sinha, J.S. deVellis and R.S. Swerdloff: Hormone production by the pituitary and testes of male C57BL/6J mice during aging. *Endocrinology* 101: 702-707, 1977.
45. Glass, A.R. and R.S. Swerdloff: Serum gonadotropins in rats fed a low valine diet. *Endocrinology* 101: 702-707, 1977.
46. Kalland, G.A., A. Vera, M. Peterson and R.S. Swerdloff: Reproductive hormonal axis of the male rat in experimental hypothyroidism. *Endocrinology* 102: 476-484, 1978.
47. Raum, W.J. and R.S. Swerdloff: Catecholamine I<sup>125</sup> radioimmunoassay. *IRCS Med Sci* 5: 413, 1977.



48. Greenway, F.S. and R.S. Swerdloff: Effect of aspirin (prostaglandin synthetase inhibitor) on ovulation. *Fertil Steril* 30: 364, 1978.
49. Swerdloff, R.S., M. Peterson, A. Vera, R.A.L. Batt, D. Heber and G.A. Bray: The hypothalamic-pituitary axis in genetically obese (ob/ob) mice: Response to LHRH. *Endocrinology* 103: 542-547, 1978.
50. Glass, A.R., with Dahms and R.S. Swerdloff: Body fat at puberty in rats: Alteration by changes in diet. *Pediatr Res* 13: 7-9, 1979.
51. Glass, A.R., W.T. Dahms, G. Abraham, R.S. Atkinson, G.A. Bray and R.S. Swerdloff: Secondary amenorrhea in obesity: Etiologic role of weight-related androgen excess. *Fertil Steril* 30: 243, 1978.
52. Glass, A.R., R. Mellitt, K.D. Burman, L. Wartofsky and R.S. Swerdloff: Serum triiodothyronine in undernourished rats: Dependence on dietary composition rather than total calorie or protein intake. *Endocrinology* 102: 1925-1928, 1978.
53. Glass, A.R., R. Mellitt, R.A. Vigersky and R.S. Swerdloff: Hypoandrogenism and abnormal regulation of gonadotropin secretion in rats fed a low protein diet. *Endocrinology* 104: 438-442, 1979.
54. Swerdloff, R.S., A. Palacios, R.D. McClure, L.A. Campfield and S.A. Brosman: Male contraception: Clinical assessment of chronic administration of testosterone enanthate. *Int J Androl Suppl.* 2: 1-15, 1978.
55. Peterson, M.A. and R.S. Swerdloff: Separation of bound from free hormone in the radioimmunoassay of lutropin and follitropin. *Clin Chem* 25: 1239-1241, 1979.
56. Swerdloff, R.S., L.A. Campfield, A. Palacios and R.D. McClure: Suppression of human spermatogenesis by depot androgen: Potential for male contraception. *J Steroid Biochem* 11: 663-670, 1979.
57. Raum, W.J., A.R. Glass and R.S. Swerdloff: Changes in hypothalamic catecholamine neurotransmitters and pituitary gonadotropins in the immature female rat: Relationships to the gonadostat theory of puberty onset. *Endocrinology* 106: 1253-1258, 1980.
58. Glass, A.R. and R.S. Swerdloff: Nutritional influences on sexual maturation in the rat. *Fed Proc* 39: 2360-2364, 1980.
59. Raum, W.J. and R.S. Swerdloff: The role of hypothalamic adrenergic receptors in preventing testosterone-induced androgenization in the female rat brain. *Endocrinology* 109: 273-278, 1981.
60. Heber, D. and R.S. Swerdloff: Male contraception: Synergism between superactive GnRH analog and testosterone in suppressing gonadotropin secretion. *Science* 209: 936-939, 1980.
61. Raum, W.J. and R.S. Swerdloff: Urinary metanephrine radioimmunoassay: Comparison with the colorimetric assay. *Clin Chem* 27: 43-47, 1981.
62. Raum, W.J. and R.S. Swerdloff: A radioimmunoassay for epinephrine and norepinephrine in tissues and plasma. *Life Sci* 28: 2819-2827, 1981.
63. Sokol, R.Z., R.D. McClure, M. Peterson and R.S. Swerdloff: Gonadotropin therapy failure secondary to hCG induced antibodies. *J Clin Endocrinol Metab* 52: 929-933, 1981.
64. Palacios, A., R.D. McClure, A. Campfield and R.S. Swerdloff: Effect of testosterone enanthate on testis size. *J Urol* 126: 46-48, 1981.

65. Carlson, H.E., A.F. Ippoliti and R.S. Swerdloff: Endocrine effects of acute and chronic cimetidine administration. *Dig Dis Sci* 26: 428-432, 1981.
66. Heber, D. and R.S. Swerdloff: Down regulation of pituitary gonadotropin secretion in postmenopausal females by continuous GnRH administration. *J Clin Endocrinol Metab* 52: 171-172, 1981.
67. Sokol, R.Z., A. Palacios, L.A. Campfield, C. Saul and R.S. Swerdloff: Comparison of the kinetics of injectable testosterone in eugonadal and hypogonadal men. *Fertil Steril* 37: 425-430, 1982.
68. Heber, D. and R.S. Swerdloff: Gonadotropin-releasing hormone analog and testosterone synergistically inhibit spermatogenesis. *Endocrinology* 108: 2019-2021, 1981.
69. Bray, G.A., W.T. Dahms, R.S. Swerdloff, R.H. Fiser, R.L. Atkinson and R.E. Carrel: The Prader-Willi syndrome: A study of 40 patients and a review of the literature. *Medicine* 62: 59-80, 1983.
70. Glass, A.R., A. Steinberger, R.S. Swerdloff and R.A. Vigersky: Pituitary-testicular function in protein-deficient rats. FSH hyperresponse to castration and super-sensitivity of gonadotropin secretion to androgen negative feedback. *Endocrinology* 110: 1542-1546, 1982.
71. Heber, D., R. Dodson, C. Stoskopf, M. Peterson and R.S. Swerdloff: Pituitary desensitization and the regulation of pituitary-gonadotropin-releasing hormone (GnRH) receptors following chronic administration of a superactive GnRH analog and testosterone. *Life Sci* 30: 2301-2308, 1982.
72. Palacios, A., L.A. Campfield, R.D. McClure, B. Steiner and R.S. Swerdloff: Effect of testosterone enanthate on hematopoiesis in normal men. *Fertil Steril* 40: 100-104, 1983.
73. Heber, D., R. Dodson, R.S. Swerdloff, K. Channabasavaiah and J.M. Stewart: Pituitary receptor site blockade by a gonadotropin-releasing hormone antagonist in vivo: Mechanism of action. *Science* 216: 420-421, 1982.
74. Raum, W.J., M.M. Laks, D. Garner and R.S. Swerdloff: Beta adrenergic receptor and cyclic AMP alterations in the canine ventricular septum during chronic norepinephrine infusion: Implications for hypertrophic cardiomyopathy. *Circulation* 68: 693-699, 1983.
75. Raum, W.J., M.M. Laks, D. Garner, M.H. Ikuhara and R.S. Swerdloff: Norepinephrine increases beta receptors and adenylate cyclase in canine myocardium. *Am J Physiol* 246 (Heart Circ Physiol 15) H31-H36, 1984.
76. Raum, W.J., M. Marcano and R.S. Swerdloff: Nuclear accumulation of estradiol derived from the aromatization of testosterone is inhibited by hypothalamic beta receptor stimulation in the neonatal female rat. *Biol Reprod* 30: 388-396, 1984.
77. Bhasin, S., D. Heber, B. Steiner, M. Peterson, B. Blaisch, L.A. Campfield and R.S. Swerdloff: Hormonal effects of GnRH agonist in the human male: II Testosterone enhances gonadotropin suppression induced by GnRH agonist. *Clin Endocrinol* 20: 119-128, 1984.
78. Raum, W.J., R.S. Swerdloff, D. Garner, hypogonadism. Laks and M.M. Laks: Chronic norepinephrine infusion and insulin and glucagon secretion in the dog. *Am J Physiol* 256 (Endocrinol Metab 9): E232-E236, 1984.
79. Swerdloff, R.S., S. Bhasin, D. Heber and J. Rajfer: Effect of GnRH superactive analogs (alone and combined with androgen) on testicular function in man and experimental animals. *J Steroid Biochem* 19: 491-497, 1983.

80. Bhasin, S., D. Heber, M. Peterson and R.S. Swerdloff: Partial isolation and characterization of testicular GnRH-like factors. *Endocrinology* 112: 1144-1146, 1983.
81. Bhasin, S., A.E. Pekary, B. Brunskill, J.M. Hershman and R.S. Swerdloff: Hormonal control of prostatic thyrotropin-releasing hormone: Testosterone modulates prostatic thyrotropin-releasing hormone concentrations. *Endocrinology* 114:3; 946-950, 1984.
82. Rajfer, J., D. Heber, S. Peng and R.S. Swerdloff: Effects of chronic D-leu<sup>6</sup>-des-Gly<sup>10</sup>-GnRH ethylamide on male sex tissues. *Biol Reprod* 30: 646-651, 1984.
83. Bhasin, S. and R.S. Swerdloff: Testicular GnRH-like factors. Characterization of biologic activity. *Bio Chem Res Comm*, 122, pp. 1071-1075, 1984.
84. Rajfer, J., R.S. Swerdloff and D.M. Heber: Testicular histology following chronic gonadotropin releasing hormone agonist treatment. *Fertil Steril* 42: 765-771, 1984.
85. Heber, D., R. Dodson, M. Peterson, K. Channabasavaiah, J.M. Stewart and R.S. Swerdloff: Counteractive effects of agonistic and antagonistic gonadotropin-releasing hormone analogs on spermatogenesis: Sites of action. *Fertil Steril* 41:309-313, 1984.
86. Heber, D., S. Bhasin, B. Steiner and R.S. Swerdloff: The stimulatory and down-regulatory effects of gonadotropin-releasing hormone agonist in man. *J Clin Endocrinol Metab.* 58:1084-1088, 1984.
87. Sikka, S.C., R.S. Swerdloff and J. Rajfer: In vitro inhibition of testosterone biosynthesis by ketoconazole. *Endocrinology* 116: 1920-1925, 1985.
88. Bhasin, S., D. Heber, B.S. Steiner, D.J. Handelsman and R.S. Swerdloff: Hormonal effects of GnRH agonist in the human male III: Effects of long term combined treatment with GnRH agonist and androgen. *J Clin Endocrinol Metab* 60: 998-1003, 1985.
89. Bhasin, S., Steiner, B.S. and R.S. Swerdloff: Does constant infusion of GnRH agonist lead to greater suppression of gonadal function in man than its intermittent administration? *Fertil Steril* 44: 96, 1985.
90. Pekary, A.E., T. Yamada, B. Sharp, S. Bhasin, R.S. Swerdloff, J.M. Hershman. Somatostatin<sup>14-</sup> and <sup>-28</sup> in the male reproductive system. *Life Sci* 34: 939-945, 1985.
91. Swerdloff, R.S., S. Bhasin and R.Z. Sokol: GnRH-like factors in the rat testis and human seminal plasma: Hormone action and testicular function. *Ann N Y Acad Sci* 438: 382-389, 1984.
92. Cutler Jr., G.B., A.R. Hoffman, R.S. Swerdloff, R.J. Santen, D.R. Meldrum and F. Comite: Therapeutic applications of luteinizing-hormone and its analogs. *Ann Intern Med* 102: 643-657, 1985.
93. Sokol, R.Z., M. Peterson, D. Heber and R.S. Swerdloff: Identification and partial characterization of gonadotropin-releasing hormone-like factors in human seminal plasma. *Biol Reprod* 33: 370-374, 1985.
94. Sikka, S., R.S. Swerdloff and J. Rajfer: Assay system for simultaneous measurement of three steroidogenic enzyme activities in rat and human testis - Effect of human chorionic gonadotropin. *Anal Biochem* 149: 72-86, 1985.

95. Nowak, F.V. and R.S. Swerdloff: Gonadotropin releasing hormone (GnRH) release by superfused hypothalami in response to norepinephrine. *Biol Reprod* 33: 790-796, 1985.
96. Sokol, R.Z., C.E. Madding, R.S. Swerdloff: Lead toxicity and the hypothalamic pituitary testicular axis. *Biol Reprod*, 33, 722-728, 1985.
97. Swerdloff, R.S., D.J. Handelsman and S. Bhasin: Hormonal effects of GnRH agonist in the human male: An approach to male contraception using combined androgen and GnRH agonist treatment. *J Steroid Biochem* 23, 855-861, 1985.
98. Bhasin, S., S. Sikka, T. Fielder, U. Sod-Moriah, H.B. Levine, R.S. Swerdloff and J. Rajfer: Hormonal effects of ketoconazole in vivo in the male rat: Mechanism of action. *Endocrinology* 118: 1229-1232, 1986.
99. Handelsman, D.J. and R.S. Swerdloff: Pharmacokinetics of gonadotropin- releasing hormone (GnRH) and its analogs. *Endocrine Rev*, 7: 95-105, 1986
100. Bhasin, S. and R.S. Swerdloff: Mechanisms of GnRH agonist action in the human male. *Endocrine Rev* 7: 106-114, 1986.
101. Rajfer, J., D. Handelsman, R. Hurwitz, H. Kaplan, T. Vandergast, R. Swerdloff and R.M. Erlich: Hormonal therapy of cryptorchidism: Randomized double blind study comparing hCG and GnRH. *N Engl Jour Med* 314: 466-470, 1986.
102. Jarjour, L.T., D.J. Handelsman, W.J. Raum and R.S. Swerdloff: Mechanism of action of dopamine on the in vitro release of gonadotropin-releasing hormone. *Endocrinology* 119: 1726-1732, 1986.
103. Swerdloff, R.S., B.S. Steiner and S. Bhasin: GnRH agonists in male contraception. *J Med Biol* 63: 218-224, 1985.
104. Sikka, S., F. Rivera, R. Swerdloff, J. Rajfer: Ketoconazole inhibits directly cytochrome P-450 associated enzyme activities to block testosterone biosynthesis in rat testis. *Fed. Proc.* 44: 846, 1985.
105. Raum, W.J. and R.S. Swerdloff: The effects of hypothalamic catecholamine synthesis inhibition by alphanemethyltyrosine on gonadotropin secretion during sexual maturation in the male Wistar rat. *Endocrinology* 119: 168-175, 1986.
106. Rajfer, J., D. Handelsman, A. Crum, B. Steiner, M. Peterson and R.S. Swerdloff: Comparison of efficacy of subcutaneous and nasal spray Buserelin treatment in suppression of testicular steroidogenesis in men with prostate cancer. *Fertil Steril* 46: 104-110, 1986.
107. Sokol, R.Z., C.I. Madding, D.J. Handelsman and R.S. Swerdloff: The split ejaculate: Assessment of fertility potential using two in vitro test systems. *Andrologia* 18, 1986.
108. Rajfer, J., S. Sikka, N.W. Xie and R.S. Swerdloff: Effect of in vitro ketoconazole on steroid production in rat testis. *Steroids* 46: 867-881, 1985.
109. Rajfer, J., D.J. Handelsman, R.S. Swerdloff, J.H. Farber and S. Sikka: LH and FSH responses to intranasal gonadotropin-releasing hormone. *Fertil Steril* 45: 794-799, 1986.

110. Bhasin, S., S.C. Sikka, T. Fielder, U.A. Sod-Moriah, H.B. Levine, R.S. Swerdloff and J. Rajfer: Hormonal effects of ketoconazole in vivo in the male rat: Mechanism of action. *Endocrinology* 118: 1229-1232, 1986.
111. Rajfer, J., S.C. Sikka, and R.S. Swerdloff: Lack of a direct effect of GnRH agonist on human testicular steroidogenesis. *J Clin Endocrinol Metab* 64: 62-67, 1987.
112. Bhasin, S., T. Fielder, U.A. Sod-Moriah, R.S. Swerdloff: Testicular modulation of LH response to GnRH agonist. *Biol Reprod* 36:309-314, 1987.
113. Jarjour, L., D.J. Handelsman and R.S. Swerdloff: Effects of aging on the in vitro release of gonadotropin-releasing hormone (GnRH). *Endocrinology*, 119: 1113-1117, 1986.
114. Bhasin, S., Q.X. Yuan, B.S. Steiner and R.S. Swerdloff: Hormonal effects of GnRH agonist in men: Effects of long term treatment with agonist infusion and androgen. *J Clin Endocrinol Metab* 65:568-574, 1987.
115. Pekary, A.E., S. Bhasin, V.P. Smith, M. Sugawara, R.S. Swerdloff and J. Hershman: Thyroid hormone modulation of thyrotropin-releasing hormone biosynthesis in the male rat reproductive system. *J Endocrinol* 114:271, 1987.
116. Bhasin, S., T.J. Fielder and R.S. Swerdloff: Testosterone paradoxically increases FSH but not LH in GnRH antagonist treatment male rats: evidence for differential regulation of LH and FSH. *Biol Reprod* 37: 55, 1987.
117. Kandeel, F.R. and Swerdloff, R.S.: Role of temperature regulation of spermatogenesis and the use of heating as a method for contraception. *Fertil Steril* 49: 1-23, 1988.
118. Yuan, Q.X., S. Bhasin and R.S. Swerdloff: Differential regulation of rat luteinizing hormone alpha and beta subunits during the stimulatory and down-regulatory phases of gonadotropin-releasing hormone action. *Endocrinology* 122, 504-510, 1988.
119. Bhasin, S., T. Fielder, N. Peacock, U.A. Sod-Moriah and R.S. Swerdloff: Dissociating antifertility effects of GnRH-antagonist from its adverse effects on mating behavior in male rats. *Am. J. Physiol.* 254 (Endocrinol. Metab. 17): E84-E91, 1988.
120. Jockenhovel, F., S. Bhasin, B.S. Steiner, J.E. Rivier, W.W. Vale and R.S. Swerdloff: Hormonal effects of single gonadotropin-releasing hormone antagonist doses in men. *J Clin Endocrinol Metab* 66: 1065-1070, 1988.
121. Sokol, R.Z., B.S. Steiner, M. Bustillo, G. Petersen and R.S. Swerdloff: A controlled comparison of the efficacy of clomiphene citrate in male fertility. *Fertil Steril* 49:865-870 1988.
122. Sikka, S.C., M.A. Koyle, R.S. Swerdloff, and J. Rajfer: Reversibility of cyclosporine-induced hypoandrogenism in rats. *Transplantation* 45:784-787, 1988.
123. Sikka, S.C., S. Bhasin, D.C. Coy, M.A. Koyle, R.S. Swerdloff and J. Rajfer: Effects of cyclosporine on the hypothalamic-pituitary-gonadal axis in the male rat: Mechanism of action. *Endocrinology* 123:1069-1074, 1988.
124. Kim, W.H., R.S. Swerdloff, and S. Bhasin: Regulation of alpha and rat luteinizing hormone-beta messenger ribonucleic acids during gonadotropin-releasing hormone agonist treatment in vivo in the male rat. *Endocrinology* 123:2111-2116, 1988.

125. Sokol, R.Z., H. Okuda, P.D. Johnston, and R.S. Swerdloff: Videomicrographic analysis of the effects of anti-human relaxin antibody on sperm motility. *Fertil Steril* 49:729-731, 1988.
126. Kim, W.H., QI X. Yuan, R.S. Swerdloff, and S. Bhasin: Regulation of alpha and luteinizing hormone beta subunit messenger ribonucleic acids during stimulatory and downregulatory phases of gonadotropin-releasing hormone action. *Biol Reprod* 39:847-853, 1988.
127. Handelsman, D.J., S. Peng, S.C. Sikka, J. Rajfer, and R.S. Swerdloff: Effects of gonadotropin releasing hormone analogs on cis-platinum-induced spermatogenic damage. *Int. J Androl* 11:425-435, 1988.
128. Bhasin, S., L.A. Krummen, R.S. Swerdloff, B.S. Morelos, W.H. Kim, G.S. DiZerega, N. Ling, F. Esch, S. Shimasaki and J. Toppari: Stage dependent expression of inhibin alpha and beta-B subunits during the cycle of the rat seminiferous epithelium. *Endocrinology* 124:987-991, 1989.
129. Fielder, T.J., N.R. Peacock, R.F. McGivern, R.S. Swerdloff, and S. Bhasin: Testosterone dose dependency of sexual and nonsexual behaviors in the gonadotropin-releasing hormone (GnRH) antagonist treated male rat. *J Androl* 10:167-173, 1989.
130. Sokol, R.Z., X.S. Wang, J. Lechago, P.D. Johnston and R.S. Swerdloff: Immunohistochemical localization of relaxin in the human prostate. *J Histochem Cytochem* 37:1253-1255, 1989.
131. Krummen, L.A., J. Toppari, W.H. Kim, B.S. Morelos, N. Ahmad, R.S. Swerdloff, N. Ling, S. Shimasaki, F. Esch and S. Bhasin: Regulation of testicular inhibin subunit messenger ribonucleic acid (mRNA) levels in vivo: Effects of hypophysectomy and selective follicle-stimulating hormone (FSH) replacement. *Endocrinology* 125:1630-1637, 1989.
132. Santen, R.J., Langecker, P., Santner, S.J., Sikka, S., Rajfer, J. and Swerdloff, R.: Potency and specificity of CGS-16949A as an aromatase inhibitor. *Endocr Res* 16:77-91, 1990.
133. Tayek, J.A., D. Heber, L.O. Byerley, B. Steiner, J. Rajfer and R.S. Swerdloff: Nutritional and metabolic effects of gonadotropin-releasing hormone agonist treatment for prostate cancer. *Metabolism* 39:1314-1319, 1990.
134. Salameh, W., S. Bhasin, B.S. Steiner, L.A. McAdams, M. Peterson, J.E. Rivier, W.W. Vale and R.S. Swerdloff: Marked suppression of gonadotropins and testosterone by an antagonist analog of gonadotropin-releasing hormone in men. *Fertil Steril* 55:156-164, 1991.
135. Gonzalez-Cadavid, N.F., R.S. Swerdloff, C.A.E. Lemmi, and J. Rajfer: Expression of the androgen receptor gene in the rat penile tissue and cells during sexual maturation. *Endocrinology* 129:1671-1678, 1991.
136. Jockenhovel, F., M.A. Peterson, P.D. Johnson and R.S. Swerdloff: Directly iodinated rat relaxin as tracer for use in radioimmunoassays. *J Clin Chem Clin Biochem* 29:71-75, 1991.
137. Bhasin, S., Swerdloff, R.S., Steiner, B., Peterson, M.A., Meridores, R., Galmirini, M., Pandian, M.R., Goldberg, G., Berman, N.: A biodegradable testosterone microcapsule formulation provides uniform eugonadal levels of testosterone for 10-11 weeks in hypogonadal men. *J Clin Endocrinol Metab* 74:75-83, 1992.
138. Tom, L., S. Bhasin, W. Salameh, B. Steiner, M. Peterson, R.Z. Sokol, N. Berman, J. Rivier, W. Vale and R.S. Swerdloff: Induction of azoospermia in normal men with combined Nal-Glu gonadotropin-releasing hormone (GnRH) antagonist and testosterone enanthate. *J Clin Endocrinol Metab* 75:476-483, 1992.

139. Swerdloff, R.S., C. Wang, M. Hines and R. Gorski: Effects of androgens on the brain and other organs during development and aging. *Psychoneuroendocrinol* 17:375-383,1992.
140. Peterson, M.A., N.K. Tanaka and R.S. Swerdloff: Concanavalin A-immobilized glycoprotein antigen for immunoaffinity purification of antiserum. *Clin Chem* 38:2143,1992.
141. Swerdloff, R.S., L.K.S. Tom, W. Salameh, B.S. Steiner, M.A. Peterson, J. Rivier, W.W. Vale, S. Bhasin: Male contraception: Achievement of reversible azoospermia by combined GnRH antagonist and testosterone enanthate. *Contraception* 46:193,1992.
142. Freedman, A., Rajfer, J., Swerdloff, R.S., Gonzalez-Cadavid, N.F.: The effect of transforming growth factor-beta (TGF-B) on androgen receptor mRNA levels in cultured rat corpora cavernosa smooth muscle cells. *Surg Forum* 43:726-731,1992.
143. Salameh, W., S. Bhasin, B.S. Steiner, M. Peterson and R.S. Swerdloff: Effect of improved assay sensitivity on luteinizing hormone (LH) pulse detection after gonadotropin releasing hormone (GnRH) antagonist treatment in man. *J Clin Endocrinol Metab* 75:1479-1483, 1992.
144. Ming-Chung Lin, J. Rajfer, R.S. Swerdloff and N. Cadavid: Testosterone down-regulates the levels of androgen receptor mRNA in smooth muscle cells from the rat corpora cavernosa via aromatization to estrogens. *J Steroid Biochem Molec Biol* 45: 333-343,1993.
145. Gonzalez-Cadavid, N.F., D. Vernet, A. Navarro, J.A. Rodriguez, R.S. Swerdloff, J. Rajfer: Up-regulation of the levels of androgen receptor and its mRNA by androgens in smooth muscle cells from the rat penis. *Molec Cell Endocrinol* 90:219-229,1993.
146. Buena, F., R.S. Swerdloff, B.S. Steiner, P. Lutchmansingh, M.A. Peterson, M.R. Pandian, M. Galmirini, and S. Bhasin: Sexual function does not change when serum testosterone levels are pharmacologically varied within the normal male range. *Fertil Steril* 59:1118-1123,1993.
147. Peacock, N.R, R.S. Swerdloff, N. Berman, R.M. Gilley, T.R. Tice, S. Bhasin: Pharmacokinetics and pharmacodynamics of a parenteral testosterone microsphere formulation in the male rat. Demonstration of dose dependence and controlled release. *J Androl* 14:45,1993.
148. Byerley, L.O., W.N.P. Lee, R.S. Swerdloff, F. Buena, K.S. Nair, T.A. Buchanan, R. Goldberg, B. Steiner, S. Bhasin: Effect of modulating serum testosterone levels in the normal male range on protein, glucose and lipid metabolism in men: Implications for testosterone replacement therapy. *Endocr J* 1:253-262, 1993.
149. Sinha-Hikim, A.P. and R.S. Swerdloff: Temporal and stage-specific changes in spermatogenesis of rat following gonadotropin deprivation by a potent gonadotropin-releasing hormone (GnRH) antagonist treatment. *Endocrinology* 133:2161-2170,1993.
150. Jockenhovel, F., J.K.L. Rutgers, J.S. Mason, J.E. Griffin and R.S. Swerdloff: Leydig cell neoplasia in a patient with Reifenstein syndrome. *Exp Clin Endocrinol* 101:365-370, 1993.
151. Lin, M.C., J. Rajfer, R. S. Swerdloff, and N.F. Gonzalez-Cadavid: Testosterone down-regulates the levels of androgen receptor mRNA in smooth muscle cells from the rat corpora cavernosa via aromatization to estrogens. *J Steroid Biochem Molec Biol* 45:333-343,1993.
152. Sinha-Hikim, A.P. and R.S. Swerdloff: Time course of recovery of spermatogenesis and leydig cell function after cessation of GnRH antagonist treatment in the adult rats. *Endocrinology* 134:1627-1634, 1994.

153. Salameh, W., S. Bhasin, B.S. Steiner, L.A. McAdams, M. Peterson, J.E. Rivier, W.W. Vale and R.S. Swerdloff: Comparative effects of two different delivery systems on gonadotropin-releasing hormone (GnRH) antagonist induced suppression of gonadotropins and testosterone in man. *J Androl* 15:22-28, 1994.
154. Bhasin, S., N. Berman and R.S. Swerdloff: Follicle-stimulating hormone (FSH) escape during chronic gonadotropin-releasing hormone (GnRH) agonist and testosterone treatment. *J Androl* 15:386-391, 1994.
155. Kaser, M.R., A. Fuentes Navarro, R. S. Swerdloff, J. Rajfer and N.F. Gonzalez-Cadavid: Binding of penile nuclear proteins to the rat androgen receptor gene promoter correlates with androgen receptor gene expression. *Endocr J* 2:589-596, 1994.
156. Sinha Hikim, A.P. and R. S. Swerdloff: Temporal and stage-specific effects of recombinant human follicle-stimulating hormone on the maintenance of spermatogenesis in gonadotropin-releasing hormone antagonist-treated rat. *Endocrinology* 136:253-261, 1995.
157. Sinha Hikim, A.P., C. Wang, A. Leung and R.S. Swerdloff: Involvement of apoptosis in the induction of germ cell degeneration in adult rats after gonadotropin-releasing hormone antagonist treatment. *Endocrinology* 136:2770-2775, 1995.
158. B. Salehian, C. Wang, G. Alexander, T. Davidson, V. McDonald, N. Berman R.E. Dudley. F.Ziel, And R.S. Swerdloff: Pharmacokinetics, bioefficacy, and safety of sublingual testosterone cyclodextrin in hypogonadal men: Comparison to testosterone enanthate--A Clinical Research Center Study. *J Clin Endocrinol Metab* 80: 3567-3575, 1995.
159. Shen, R., M. Lin, F. Sadeghi, R.S. Swerdloff, J. Rajfer, N. Gonzalez-Cadavid. Androgens are not major down-regulators of androgen receptor levels during growth of the immature rat penis. *J Steroid Biochem Molec Biol* 57:301-313, 1996
160. WHO: Aribarg, A., Z. Gui-yuan, C. Jian, L. Guo-zhu, R. Anderson, R.S. Swerdloff et al: Contraceptive efficacy of testosterone-induced azoospermia and oligozoospermia in normal men. *Fertil Steril* 65:821-829, 1996.
161. Wang, C., D.R. Eyre, R. Clark, D. Kleinberg, C. Newman, A. Iranmanesh, J. Veldhuis, R.E. Dudley, N. Berman, T. Davidson, T. Barstow, R. Sinow, R.S. Swerdloff: Sublingual testosterone replacement improves muscle mass and strength, decreases bone resorption and increases bone formation markers in hypogonadal men, *J Clin Endocrinol Metab* 81:3654-3662, 1996
162. Wang, C. G. Alexander, N. Berman, B. Salahian, T. Davidson, V. McDonald, B. Steiner, L. Hull, C. Callegari, R. S. Swerdloff: Testosterone replacement therapy improves mood in hypogonadal men, *J Clin Endocrinol Metab* 81: 3578-3583, 1996
163. Kandeel, F.R., R.S. Swerdloff: The interaction between beta-endorphin and gonadal steroidin regulation of LH secretion and sex steroid regulation of LH and POMC-Peptide secretion by individual pituitary cells. *Endocrinology* 138:649-656, 1997.
164. Lue, Y., A.P. Sinha Hikim, C. Wang, J.J. Bonavera, S. Baravarian, A. Leung, R.S. Swerdloff: Early effects of vasectomy on testicular structure, germ cell, and macrophage apoptosis in the hamster. *J Androl* 18:166-173, 1997.



165. Wang, C., A. Leung, L. Superlano, B. Steiner, R.S. Swerdloff, Oligozoospermia induced by exogenous testosterone is associated with normal functioning residual spermatozoa. *Fertil Steril* 68:149-153, 1997
166. Wang, C., V. McDonald, A. Leung, L. Superlano, N. Berman, L. Hull, R.S. Swerdloff: Effect of increased scrotal temperature on sperm production in normal men. *Fertil Steril*, 68:149-153, 1997.
167. Alexander, GM, RS Swerdloff, C. Wang, T. Davidson, V. McDonald, B. Steiner, M. Heines: Androgen-Behavior Correlations in Hypogonadal men and eugonadal Men: I. Mood and response to auditory sexual stimuli. *Horm Behav* 31:110-119, 1997.
168. Sinha Hikim, A.P., Y.H. Lue, R.S. Swerdloff: Separation of germ cell apoptosis from toxin induced cell death by necrosis using in situ - end labeling histochemistry after glutaraldehyde fixation. *Tissue Cell* 29:487-493, 1997.
169. Bonavera, J.J., R.S. Swerdloff, A. Leung, Y.H. Lue, S. Baravarian, L. Superlano, A.P. Sinha Hikim, C. Wang: In the male brown-Norway (BN) rat, reproductive aging is associated with decreased LH pulse amplitude and area. *J Androl* 18:359-365, 1997.
170. Sinha Hikim, A.P., T.B. Rajavashisth, I. Sinha Hikim, Y. Lue, J.J. Bonavera, A. Leung, C. Wang, R.S. Swerdloff: Significance of apoptosis in the temporal and stage-specific loss of germ cells in the adult rat after gonadotropin deprivation. *Biol Reprod* 57:1193-1201, 1997
171. Winters, S.J., L. Atkinson and the Testoderm Study Group: Serum LH concentrations in hypogonadal men during transdermal testosterone replacement through scrotal skin: further evidence that ageing enhances testosterone negative feedback. *Clin Endocrinol* 47:317-322, 1997.
172. Wang, C, Swerdloff, RS: Androgen Replacement Therapy. *Ann Med*, 29: 365-370, 1997
173. Wang, C., N. Berman, J.D. Veldhuis, T. Der, V. McDonald, B. Steiner, R.S. Swerdloff: Graded testosterone infusions distinguish gonadotropin negative-feedback responsiveness in Asians and White men. *J Clin Endocrinol Metab*, 83:870-876, 1998.
174. Sinha Hikim, A.P., Wang, C., Lue, Y.H., Johnson, L., Wang, X-H, Swerdloff, R.S.: Spontaneous germ cell apoptosis in human: evidence for ethnic differences in the susceptibility of germ cells to programmed cell death. *J Clin Endocrinol Metab* 83:152-156, 1998.
175. Bonavera, J.J., Swerdloff, R.S., Sinha-Hikim, A.P., Lue YH, Wang, C.: Aging results in attenuated gonadotropin releasing hormone-luteinizing axis responsive to glutamate receptor agonist (Nmethyl-D aspartate). *J Neuroendocrinol*, 10:93-99, 1998
176. Johnson, L., J.J. Barnard, L. Rodriguez, E.C. Smith, R.S. Swerdloff, X.H. Wang, C. Wang: Ethnic differences in testicular structure and spermatogenic potential may predispose testes of Asian men to a heightened Sensitivity to steroidal contraceptives. *J Androl* 19:348-357, 1998
177. Swerdloff, R.S., C. Wang: Influence of pituitary disease on sexual development and functioning. *Psychother and Psychosom* 67:173-180, 1998
178. Alexander, G.M., R.S. Swerdloff, C. Wang, T. Davidson, V. McDonald, B. Steiner, M. Heines: Androgen-behavior relations in hypogonadal men and eugonadal men: II. Cognitive Behavior, Hormones and Behavior 33:85-94, 1998.

179. Wang, C., A. Iranmanesh, N. Berman, V. McDonald, B. Steiner, F. Ziel, S.M. Faulkner, R.E. Dudley, J. Veldhuis, R. S. Swerdloff: Comparative Pharmacokinetics of three doses of percutaneous dihydrotestosterone gel in healthy elderly men - a clinical research center study. *J Clin Endocrinol Metab*, 83:2749-2757, 1998.
180. Lue, YH, Sinha Hikim, A.P., Leung, A., Baravarian, S., Wang, C., Swerdloff, R.S.: Triptolide: A potential male contraceptive. *J Androl* 19:479-486, 1998.
181. Vernet D., J.J. Bonavera, R.S. Swerdloff, N.F. Gonzalez-Cadavid, C. Wang: Spontaneous expression of inducible nitric oxide synthase ( $i$ NOS) in the hypothalamus and other brain regions of aging rats. *Endocrinology* 139 (7): 3254-3261, 1998.
183. Swerdloff, R.S., C.J. Bagatell, C. Wang, B.D. Anawalt, N. Berman, B. Steiner, and W.J. Bremner: Suppression of spermatogenesis in man induced by nal-glu gonadotropin releasing hormone antagonist and testosterone enanthate is maintained by testosterone enanthate alone. *J Clin Endocrinol Metab* 83:2749-2757, 1998.
184. Geschwind, D.H., J. Gregg, K. Boone, J. Karrim, A. Pawlikowska-Haddad, E. Rao, J. Ellison, A. Ciccodicola, M. D'Urso, R. Woods, G. Rappold, R. Swerdloff, and S.F. Nelson: Klinefelter's Syndrome as a model of anomalous cerebral laterality: testing gene dosage in the X chromosome pseudoautosomal region using a DNA microarray. *Dev Genet* 23: 215-229, 1998
185. Sinha Hikim, A, R. Swerdloff: R64: Hormonal and genetic control of germ cell apoptosis in the testis. *Rev of Reprod* 4: 38-47, 1999
186. Salehian, B. D. Jacobson, RS Swerdloff, MR Grafe, I Sinha Hikim, JA McCutchan: Testicular pathologic changes and the pituitary-testicular axis during human immunodeficiency virus infection. *Endocrine Practice* 1:1-9, 1999
187. Lue, Y. H., A.P. Sinha Hikim, P. Im, K.S. Taing, T. Bui, A. Leung, R.S. Swerdloff, C. Wang. Single exposure to heat induces stage specific germ cell apoptosis in rats: Role of intratesticular testosterone on stage specificity. *Endocrinology* 140:170-1717, 1999
188. Wang, C. A.P. Sinha Hikim, Y.H. Lue, A. Leung, S. Baravarian, R.S. Swerdloff: Reproductive aging in the Brown-Norway rat is characterized by accelerated germ cell apoptosis and is not altered by luteinizing hormone replacement. *J of Androl* 20:509-518, 1999
189. Aguilera R, DH Cattlin, M Becchi, A Philips, C Wang, RS Swerdloff, HG Pope, CK Hatton: Screening urine for exogenous testosterone by isotope ratio mass spectrometric analysis of one pregnanediol and two androstaniols. *J Chromatogo B Biomed Sci Appl* 727:95-105, 1999
190. Wang, C, N. Berman, JA Longstreth, B Chuapoco, L Hull, B Steiner, S Faulkner, RE Dudley, RS Swerdloff: Pharmacokinetics of Transdermal Testosterone Gel in Hypogonadal Men: Application of Gel at One Site Versus Four Sites - a General Clinical Research Center Study. *J Clin Endocrinol Metab*, 85:964-969, 2000
191. Sinha Hikim, A.P., Y.H. Lue, C. Wang, V. Reutrakul, R. Sangsuwan, R.S. Swerdloff: Posttesticular antifertility action of triptolide in the male rat: evidence for severe impairment of cauda epididymal sperm ultrastructure. *J Androl* 21:431-437, 2000
192. Geschwind, D.H., K. B. Boone, B.L. Miller, R.S. Swerdloff: The neurobehavioral phenotype of Klinefelter's syndrome. *Mental Retardation & Developmental Disabilities Research Reviews*, 6:107-116, 2000

193. Lue, Y.H, A.P. Sinha Hikim, C. Wang, M. Im, A. Leung, R.S. Swerdloff: Testicular heat exposure enhances the suppression of spermatogenesis by testosterone in rats: The "two hit" approach to male contraceptive development. *Endocrinology*, 141:1414-24, 2000
194. Wang, C, RS Swerdloff, A Iranmanesh, A Dobs, P Snyder, G Cunningham, A Matsumoto, T. Weber, N Berman and the Testosterone Gel Study Group: Transdermal testosterone gel improves sexual function, mood, muscle strength, and body composition parameters in hypogonadal men. *J Clin Endocrinol Metab*, 85(8): 2839-2853, 2000
195. Yamamoto C, A. Sinha Hikim, P. Huynh, B. Shapiro, Y. Lue, WA Salameh, C. Wang, R.Swerdloff: Redistribution of Bax is an early step in an apoptotic pathway leading to germ cell death triggered by mild testicular hyperthermia, *Biology of Reproduction*, 63: 1683-1690, 2000
196. Swerdloff RS, C Wang, G Cunningham, A Dobs, A Iranmanesh, A Matsumoto, PJ Snyder T Weber J Longstreth, N Berman, Testosterone Gel Study Group: Long term pharmacokinetics of transdermal testosterone gel in hypogonadal men. *J Clin Endocrinol Metab*. 85:4500-4510, 2000
197. Huynh, P., A. Sinha Hikim, C. Wang, K. Stefanovic, YH Lue, A. Leung, V. Atienza, S. Baravarian, V. Reutrakul, RS Swerdloff: Long-term effects of triptolide on spermatogenesis, epididymal sperm function and fertility in male rats. *J Androl*, 21:689-699. 2000
198. Kelly, D., I. Gaw Gonzalo, P. Cohan, RS Swerdloff, C. Wang: Hypopituitarism following traumatic brain injury and aneurysmal subarachnoid hemorrhage: A preliminary report 2000 *Journal of Neurosurgery* 93: 743-752, 2000
199. Lue, YH, PN Rao, AP Sinha Hikim, M Im, WA Salameh, PH Yen, C Wang, RS Swerdloff: XXY male mice: An experimental model for Klinefelter Syndrome, *Endocrinology*, 142:1461-1470 2001
200. Wang C, RS Swerdloff, A Iranmanesh, A Dobs, PJ Snyder, G Cunningham, A Matsumoto, T Weber, N Berman and the Testosterone Gel Study Group: Effects of transdermal testosterone gel on bone turnover markers and bone mineral density in hypogonadal men. *Clin Endocrinol*, 54(6): 739-750, 2001
201. Ferrini M, C Wang, RS Swerdloff, AP Sinha Hikim, J Rajfer, N Gonzalez-Cadavid: Aging-related expression of inducible nitric oxide synthase and cytotoxicity markers in rat hypothalamic regions associated with male reproductive behavior. *Neuroendocrinology*, 74:1-11, 2001
202. Boone, K.B, RS Swerdloff, BL Miller, DH Geschwind, J Razani, A Lee, I Gaw Gonzalo, A Haddad, K Rankin P Lu, L Paul: Neuropsychological profiles of adults with Klinefelter syndrome. *Journal of the International Neuropsychological Society* 7, 446-456. 2001
203. Portugal AM, AP Sinha Hikim, CM Yamamoto, YH Lue, TB Guo, SY Hsu, WA Salameh, C Wang, RS Swerdloff: Impairment of spermatogenesis through increased germ cell apoptosis in transgenic mice with selective over-expression of BCL-2 in the somatic cells of the testis. *J of Androl*. 22(6): 981-991 2001
204. Khorram O, P Patrizio, C Wang, RS Swerdloff: Reproductive technologies for male infertility. *J Clin Endocrinol Metab*, 86:2373-2379, 2001
205. Gaw Gonzalo IT, Swerdloff RS, Nelson A, Clevenger B, Berman N, Wang C. Levonorgestrel implants (Norplant II) for male contraception clinical trials: combination with transdermal and injectable testosterone. *J Clin Endocrinol Metab*. 87:3562-3572, 2002.

206. Lue YH, Lasley BL, Laughlin LS, Swerdloff RS, Sinha Hikim AP, Leung A, Overstreet JW, Wang, C: Mild testicular hyperthermia induces profound transitional spermatogenic suppression through increased germ cell apoptosis in adult cynomolgus monkeys (*macaca fascicularis*). *J of Androl* 23(6): 799-805, 2002
207. Vera Y, Dai T, Sinha Hikim AP, Lue Y, Salido EC, Swerdloff RS, Yen PH. Deleted in azoospermia associated protein 1 shuttles between nucleus and cytoplasm during normal germ cell maturation. *J Androl.* 23(5):622-8 2002
208. Zada G, DF Kelly, P Cohan, C Wang, RS Swerdloff: Endonasal transsphenoidal approach for pituitary adenomas and other sellar lesions: an assessment of efficacy, safety, and patient impressions. *J Neurosurg* 98:350-358. 2003
208. Guo TB, KC Chan, AP Sinha Hikim, AP Hudson, RS Swerdloff, AP Mitchell, WA Salameh: RNA Binding motif protein 7 (RBM7), a novel ubiquitous protein involved in premRNA processing during male meiosis. *J of Androl* 24(2), 204-214 2003
209. Lue YH, AP Sinha Hikim, C Wang, A Leung, RS Swerdloff: Functional role of inducible nitric oxide synthase in the induction of male germ cell apoptosis, regulation of sperm number and determination of testes size; evidence from null mutant mice. *Endocrinology*, 144 (7) 3092-3100, 2003
210. Sinha Hikim AP, Lue YH, Yamamoto CM, Vera Y, Rodriguez S, Yen PH, Soeng K, Wang C, Swerdloff RS: Key apoptotic pathways for heat-induced programmed germ cell death in the testis. *Endocrinology*, 144(7) 3167-3175, 2003
211. Fales CL, BJ Knowlton, KJ Holyoak, DH Geschwind, RS Swerdloff, I Gaw Gonzalo. Working memory and relational reasoning in Klinefelter Syndrome. *Journal of the International Neuropsychology Society*, 839-846, 2003
212. Lee, KK, N Berman, GM Alexander, L Hull, RS Swerdloff, C Wang: A simple self-report diary for assessing psychosexual function in hypogonadal men. *J of Androl* 24(5):688-98, 2003
213. Itti E, IT Gaw Gonzalo, KB Boone, DH Geschwind, N Berman, A Pawlikowska Haddal, L Itti, FS Mishkin, RS Swerdloff: Functional neuroimaging provides evidence of anomalous cerebral laterality in adults with Klinefelter Syndrome: <sup>99m</sup>Tc-HMPAO assessment and correlation with neurocognitive findings. *Annals of Neurology*, 54(5):669-73, 2003
214. Swerdloff, RS, Wang, C: Three-year follow up of androgen treatment in hypogonadal men: preliminary report with testosterone gel. *The Aging Male.* 6:207-211, 2003
215. Simpson JL, F de la Cruz, RS Swerdloff, et al: Klinefelter Syndrome: Expanding the phenotype and identifying new research directions. *Genetics in Medicine*, 5(6):460-8, 2003
216. Vera Y, Dai T, YH Lue, AP Sinha Hikim, EC Salido, RS Swerdloff, PH Yen: Deleted in Azoospermia associated protein 1 shuttles between nucleus and cytoplasm during normal germ cell maturation. *J Androl* 23:622-628, 2003
217. Sinha Hikim AP, YH Lue, M Diaz-Romero , PH Yen, C Wang, RS Swerdloff: Deciphering the pathways of germ cell apoptosis in the testis. *J Steroid Biochem Mol Biol* 85:175-182, 2003

218. Wang C, DH Catlin, LM Demers, RS Swerdloff: Measurement of serum total testosterone in adult men: comparison of current laboratory methods versus liquid chromatography tandem mass spectrometry, *J Clin Endocrinol Metab*, 89: 534-543. 2004
219. Vera Y, M Diaz Romero, S Rodriguez, YH Lue, C Wang, RS Swerdloff, AP Sinha Hikim: Mitochondria-dependent pathways is involved in heat-induced male germ cell death: Lessons from mutant mice. *Biol Reprod*, 70:1534-1540, 2004
220. Wang C, G Cunningham, A Dobs, A Iranmanesh, A Matsumoto, P Snyder, T Weber, N Berman, L Hull, RS Swerdloff: Long term testosterone gel (AndroGel) treatment for maintenance beneficial effects on sexual function and mood, lean and fat mass and bone mineral density in hypogonadal men. *J Clin Endocrinol Metab*, 89(5):2085-98 2004
221. Wang, C, RS Swerdloff: Male hormonal contraception. *Am J Obstet Gynecol* 190:S60-8, 2004
222. Wang C, DH Catlin, B Starcevic, A Leung, E DiStefano, G Lucas, L Hull, RS Swerdloff: Testosterone metabolic clearance and production rates determined by stable isotope dilution/tandem mass spectrometry in normal men: Influence of ethnicity and age. *J Clin Endocrinol Metab*, 89(6):2936-41., 2004
223. Wang C, RS Swerdloff, M Kipnes, AM Matsumoto, AS Dobs, G Cunningham, L Katznelson, TJ Weber, TC Friedman, P Snyder, and HL Levine: New testosterone buccal system (Striant) delivers physiologic testosterone levels: Pharmacokinetics study in Hypogonadal men. *J Clin Endocrinol Metab*, 89(8):3821-9., 2004
224. Liu PY, RS Swerdloff, JD Veldhuis: The Rationale, efficacy and safety of androgen therapy in older men: future research and current practice recommendations. *J Clin Endocrinol Metab*, 89(10):4789-4796. 2004
225. Ng CM, MR Blackman, C Wang, RS Swerdloff: The Role of Carnitine in the Male Reproductive System. *Ann, NY Acad Sci* 1033: 177-188. 2004
226. Vera Y, S Rodriguez, M Castaneres, V Pope, YH Lue, V Atienza, C Wang, RS Swerdloff, AP Sinha Hikim: Functional role of Caspases in heat-induced testicular germ cell apoptosis, *Biol Reprod* 72:516-522, 2005
227. Veldhuis J, A Bae, RS Swerdloff, A Iranmanesh, C Wang: Experimentally induced androgen depletion accentuates ethnicity-related contrasts in luteinizing hormone secretion in Asian and Caucasian men. *J Clin Endocrinol and Metabol*, 90(3):1632-8 2005
228. Qu X, I Gaw Gonzalo, MY Al Sayed, P Cohan, PD Christenson, RS Swerdloff, DF Kelly, C Wang. Influence of Body Mass Index and Gender on GH Responses to GHRH plus Arginine and Insulin Tolerance Tests. *J Clin Endocrinol Metabol*, 90(3):1563-9 2005
229. Wang C, DH Catlin B Starcevic D Heber, C Ambler, N Berman, G Lucas, A Leung, K Schramm, PWN Lee, L Hull and RS Swerdloff: Low fat high fiber diet decreased serum, urine androgens in men, *J Clin Endocrinol Metab* 28 (3):125-7, 2005
230. Nieschlag E, Swerdloff R, Behre HM, Gooren LJ, Kaufman JM, Legros JJ Lunenfeld B, Morley JE, Schulman C, Wang C, Weidner W, Wu FC: Investigation, treatment and monitoring of late-onset hypogonadism in males: ISA, ISSAM, and EAU recommendations. *Int J Androl* 28(3):125-7 2005
231. Nieschlag E, Swerdloff R, Behre HM, Gooren LJ, Kaufman JM, Legros JJ Lunenfeld B, Morley JE, Schulman C, Wang C, Weidner W, Wu FC: Investigational, treatment and monitoring of late-onset hypogonadism in males: ISA, ISSAM, and EAU recommendations. *Eur Urol* 48(1):1-4 2005

232. Nieschlag E, Swerdloff R, Behre HM, Gooren LJ, Kaufman JM, Legros JJ, Lunenfeld B, Morley JE, Schulman C, Wang C, Weidner W, Wu FC: Investigation, treatment and monitoring of late-onset hypogonadism in males: ISA, ISSAM, and EAU recommendations. *Aging Male*. 8(2):56-8 2005
233. Sinha Hikim AP, Vera Y, Vernet D, Castanares M, Diaz-Romero M, Ferrini M, RS Swerdloff, NF Gonzalez Cadavid, C Wang. Involvement of nitric oxide-mediated intrinsic pathway signaling in age-related increase in germ cell apoptosis in male brown-norway rats. *J Gerontol A Biol Sci Med Sci*.;60(6):702-8. 2005
234. Zhang XS, Lue YH, Guo SH, Yuan JX, Hu ZY, Han CS, Hikim AP, Swerdloff RS, Wang C, Liu YX: Expression of HSP 105 and HSP60 during germ cell apoptosis in the heat-treated testes of adult cynomolgus monkeys (*macaca fascicularis*) *Front Biosci* 10:3110-21 2005
235. Chang L, DW Harrington, A Milkotic, RS Swerdloff, C Wang: Unusual occurrence of extrapontine myelinolysis associated with acute severe hypernatraemia caused by central diabetes insipidus. *Clin Endocrinol (Oxf)* Aug; 63(2):233-5 2005
236. Lue Y, Jentsch JD, Wang C, Rao PN, Hikim AP, Salameh W, Swerdloff RS: XXY mice exhibit gonadal and behavioral phenotypes similar to Klinefelter syndrome. *Endocrinology*, 146(9) 4148-54, 2005
237. Qoubaitary A, RS Swerdloff, C Wang: Advances in male hormone substitution therapy *Expert Opin Pharmacother*. Aug; 6(9):1493-506. 2005
238. Wang C, Wang XH, Nelson AL, Lee, KK Cui YG, Tong JS, Berman N, Lumbreras L, Leung A, Hull L, Desai S, Swerdloff RS: Levonorgestrel implants enhanced the suppression of spermatogenesis by testosterone implants: comparison between Chinese and non-Chinese men. *J Clin Endocrinol and Metab*, 91(2):460-70, 2005
239. Castanares M, Vera Y, Erkkila K, Kyttanen S, Lue Y, Dunkel L, Wang C, Swerdloff RS, Sinha Hikim AP: Minocycline up-regulates BCL-2 levels in mitochondria and attenuates male germ cell apoptosis. *Biochem Biophys Res Commun*. 2005 Nov 18;337(2):663-9
240. Cohan P, Wang C, McArthur DL, Cook SW, Dusick JR, Armin B, Swerdloff R, Vespa P, Muizelaar JP, Cryer HG, Christenson PD, Kelly DF: Acute secondary adrenal insufficiency after traumatic brain injury: a prospective study. *Critical Care Medicine, Crit Care Med*. 33(10):2358-2366. 2005.
241. Sinha Hikim AP, Y Vera, RI Elhag, YH Lue, Y-G Cui, V Pope, A Leung V Atienza, C Wang, RS Swerdloff: Mouse model of male germ cell apoptosis in response to lack of hormonal stimulation. *Indian J Exp Biol*, 43(11):1048-1057, 2005
242. Liu PY, Wang C, Swerdloff RS. Male sex matters. *Clinical Endocrinology Commentary: Effects of Testosterone on sexual function in men: results of a meta-analysis*, Isidori A et al 63(6): 601-602, 2005
243. Lue YH, C Wang, YX Liu, AP Sinha Hikim, XS Zhang, J Ng, A Leung, RS Swerdloff: Transient testicular warming enhances the suppressive effect of testosterone on spermatogenesis in adult cynomolgus monkeys (*macaca fascicularis*). *J Clin Endocrinol Metab*, 91(2):539-45 2005
244. Liu, PY, RS Swerdloff, C Wang: Relative testosterone deficiency in older men: clinical definition and presentation. *Endocrinol Metab Clin North Am* 34(4):957-72. Dec, 2005
245. Gore JL, RS Swerdloff, J Raifer: Androgen deficiency in the etiology and treatment of erectile dysfunction. *Urol Clin North Am* 32(4):457-68 vi-vii Nov, 2005

246. Liu P, C Wang, RS Swerdloff: Does individual response to androgen replacement therapy affect bone density? *Nat Clin Pract Endocrinol Metab.* 2(2):76-7 Feb 2006
247. Lu PH, DA Masterman, R Mulnard, C Cotman, B Miller, K Yaffe, E Reback, V Porter, R Swerdloff, JL Cummings: Effects of testosterone on cognition and mood in male patients with mild Alzheimer's disease and healthy elderly men. *Archives of Neurology.* 63(2):177-85 2006
248. Zhang XS, ZH Zhang, X Jin, P Wei, XQ Hu, M Chen, CL Lu, YH Lue, ZY Hu, AP Sinha Hikim, RS Swerdloff, C Wang, YX Liu: Dedifferentiation of Adult Monkey Sertoli Cells Through Activation of ERK1/2 Kinase Induced by Heat Treatment. *Endocrinology.* 147(3):1237-45 2006
249. Esposito F, JR Dusick, P Cohan, P Moftakhar, D McArthur, C Wang, RS Swerdloff, DF Kelly: Early morning cortisol levels as a predictor of remission after transsphenoidal surgery for Cushing's disease. *J Clin Endocrinol Metab.* 91: 7-13 2006
250. Erkkila K, S Kytтанen, M Wikstrom, K Taari AP Sinha Hikim, RS Swerdloff, L Dunkel. Regulation of human male germ cell death by modulators of ATP production. *Am J Physiol Endocrinol Metab,* 290(6):E1145-54.2006
251. Itti E, I. T. Gonzalo, A Pawlikowska-Haddad, KB Boone, A Mlikotic, L Itti, FS Mishkin and RS Swerdloff, et al: The structural brain correlates of cognitive deficits in adults with Klinefelter's syndrome. *J Clin Endocrinol and Metabol.* 91(4):1423-7 2006
252. Zhang XS, YH Lue, JX Y, SX Tao, SH Guo X Jin T Liu, ZY Hu, CS Han AP Sinha Hikim, RS Swerdloff, C Wang, YX Liu: Expression of orphan receptors TR2, TR3, TR4 and p53 in heat-treated testis of cynomolgus monkeys (*Macaca fascicularis*), *J of Androl.* 27 405-413 2006
253. Vera Y, Erkkila K, Wang C, Nunez C, Kytтанen S, Lue Y, Dunkel L, Swerdloff RS, Sinha Hikim AP. Involvement of p38 mitogen-activated protein kinase and inducible nitric oxide synthase in apoptotic signaling of murine and human male germ cells after hormone deprivation. *Mol Endocrinol.* Jul;20(7):1597-609. 2006
254. Nieschlag E, Swerdloff R, Behre HM, Gooren LJ, Kaufman JM, Legros JJ Lunenfeld B, Morley JE, Schulman C, Wang C, Weidner W, Wu FC: Investigation, treatment and monitoring of late-onset hypogonadism in males: ISA, ISSAM, and EAU recommendations. *Malta Medical Journal* Vol 8, 7-9. 2006
255. Kelly DF, DL McArthur, H Levin, S Swimmer, JR Dusick, P Cohan, C Wang, RS Swerdloff: Neurobehavioral and quality of life changes associated with growth hormone insufficiency after complicated mild, moderate, or severe traumatic brain injury. *J of Neurotrauma* 23(6):928-942. 2006
256. Bhasin S, GR Cunningham, F Hayes, AM Matsumoto, PJ Snyder, RS Swerdloff: Testosterone Therapy in Adult Men with Androgen Deficiency Syndromes: An Endocrine Society Clinical Practice Guideline *J Clin Endocrinol & Metabol* Jun; 91(6):1995-2010. 2006
257. Liu PY, RS Swerdloff, PD Christenson, DJ Handelsman, C Wang and the Hormonal Male Contraception Summit Group: B. D. Anawalt, R. A. Anderson W. J. Bremner D. J. Handelsman, J. Elliesen (Schering), Y. Gu W. M. Kersemaekers P. Y. Liu R. I. McLachlan M. C. Meriggiola E. Nieschlag R. Sitruk-Ware R. S. Swerdloff, K. Vogelsong, C. Wang, X. H. Wang, F. C. W. Wu, M. Zitzmann: The Rate, Extent and Modifiers of Spermatogenic Recovery After Hormonal Male Contraception. *Lancet*, 29;367(9520):1412-20 Apr 2006

258. Qoubaitary A, C Meriggiola, C Ming Ng, L Lumberras, S Cerpolini, G Pelusi, PD Christensen, L Hull RS Swerdloff, C Wang: Pharmacokinetics of Testosterone undecenoate injected alone or in combination with norethisterone enanthate in healthy men. *J Androl.*, 27(6):853-67 Nov-Dec 2006
259. Swerdloff RS: Testosterone levels in BPH: sexual function and response to therapy with dutasteride  
Commentary on (Marberger M et al 2006 Relationship among serum testosterone, sexual function, and response to treatment in men receiving dutasteride for benign prostatic hyperplasia. *J Clin Endocrinol Metab* 91: 1323-1328 *Nature Clinical Practice Urology* 2006
260. Liu, PY, C Wang, RS Swerdloff: Does individual response to androgen replacement therapy affect bone density? *Nat Clin Pract Endocrinol Metab.* 2006 Feb;2(2):76-7.
261. Amory J, C Wang, RS Swerdloff, BD Anawalt, AM Matusmoto, WJ Bremner, SE Walker, LJ Haberer, RV Clark: The Effect of 5 alpha reductase inhibition with dutasteride and finasteride on semen parameters and serum hormones in healthy men. *J Clin Endocrinol Metabol*, May;92(5):1659-65 2007
262. Lue YH, K Erkkila, PY Liu, K Ma, C Wang, AP Sinha Hikim and RS Swerdloff: Fate of Bone Marrow Stem Cells Transplanted into the Testis: Potential Implication for Men with Testicular Failure. *The American Journal of Pathology* 170(3):899-908 2007
263. Wang C, YG Cui, XH Wang, Y Jue, AP Sinha Hikim, YH Lue, JS Tong, LX Qian, JH Sha, ZM Zhou, PD Christenson, L Hull, A Leung, RS Swerdloff: Transient scrotal hyperthermia and levonorgestrel enhance testosterone induced spermatogenesis suppression in men through increased germ cell apoptosis. *J Clin Endocrinol Metabol*, Aug;92(8):3292-304 2007
264. Jia Y, AP Sinh Hikim, YH Lu, RS Swerdloff, Y Vera, XS Zhang, ZY Hu, YC LI, YX Liu, C Wang: Signaling pathways for germ cell death in adult cynomolgus monkeys (*macaca fascicularis*) induced by mild testicular hypothermia and exogenous testosterone treatment. *Biol Reprod.* Jul;77(1):83-92 2007
265. Sicotte NL, BS Giesser, B Steiner, R Klutch, V Tandon, AE Drain, DW Shattuck, L Hull, RS Swerdloff, RR Voskuhl: Testosterone treatment in multiple sclerosis: a pilot study. *Arch Neurol.* May;64(5):683-8. 2007
266. Schwarcz M, RS Swerdloff and C Wang: Approaches to Testosterone Supplementation in the Young Adult Male. *Current Sexual Health Reports* 4:169-174, 2007.
267. Liu PY, RS Swerdloff, BD Anawalt, RA Anderson WJ Bremner, J Elliesen, Y Gu, WM Kersemaekers, RI McLachlan, MC Meriggiola, E Nieschlag, R Sitruk-Ware, K Vogelsong, XH Wang, FCW Wuy, M Zitzmann, DJ Handelsman, C Wang: Determinants of the rate and extent of spermatogenic suppression during hormonal male contraception: an integrated analysis. *J Clin Endocrinol Metabol* May;93(5):1774-83 2008.
268. Swerdloff, RS, C Wang: Free testosterone measurement by the analog displacement direct assay: old concerns and new evidence. *Clin Chem.* 2008 54(3):458-60.
269. Amory JK, BD Anawalt, AM Matsumoto, ST Page, WJ Bremner, C Wang, RS Swerdloff, RV Clark: The Effect of 5a-Reductase Inhibition with Dutasteride and Finasteride on Bone Mineral Density, Serum Lipoproteins, Hemoglobin, PSA and Sexual Function in Healthy Young Men. *J of Urology* 179 pp 2333-2338. 2008
270. Bavisetty S, McArthur DL, J Dusick, C Wang, P Cohan, WJ Boscardin, RS Swerdloff, H Levin, DJ Chang, JP Muizelaar, D Kelly: Chronic Hypopituitarism after traumatic brain injury: risk assessment and relationship to outcome. *Neurosurgery* Vol 62 No5, pp 1080-1093. 2008



271. Dusik JR, C Wang, PJ Cohan, RS Swerdloff, DF Kelly: Pathophysiology of hypopituitarism in the setting of brain injury. *Pituitary*, 2008
272. Morgentaler A, A Dobs, AM Kaufman MM Miner, R Shabsigh, RS Swerdloff, C Wang: Long-Acting testosterone undecenoate therapy for men with hypogonadism: results of a pharmacokinetic clinical study. *J Urol Dec*;180(6):2307-13. 2008
273. Shiraishi S, P Lee, A Leung, V Goh, RS Swerdloff, C Wang: Simultaneous Measurement of Serum Testosterone and dihydrotestosterone by Liquid Chromatography Tandem Mass Spectrometry. *Clin Chem Nov*;54(11):1855-63 2008
274. Wang C, Nieschlag E, Swerdloff RS, Behre HM, Hellstrom WJ, Gooren LJ, Kaufman JM, Legros JJ, Lenenfeld B, Morales A, Morley JE, Schulman C, Thompson I, Weidner W, Wu F. ISA, ISSAM, EAU, EAA, and ASA Recommendations for the Investigation, Treatment, and Monitoring of Late-Onset Hypogonadism in Males. *J Androl.*2008
275. Wang C, Nieschlag E, Swerdloff RS, Behre HM, Hellstrom WJ, Gooren LJ, Kaufman JM, Legros JJ, Lenenfeld B, Morales A, Morley JE, Schulman C, Thompson I, Weidner W, Wu F. ISA, ISSAM, EAU, EAA, and ASA Recommendations for the Investigation, Treatment, and Monitoring of Late-Onset Hypogonadism in Males. *Aging Male. Sep 1*:1-8 2008 [e-pub]
276. Cui Y, Zhu H, Zhu Y, Guo X, Huo R, Wang X, Tong J, Qian L, Zhou Z, Jia Y, Lue YH, Hikim AS, Wang C, Swerdloff RS, Sha J. Proteomic Analysis of Testis Biopsies in Men Treated with Injectable Testosterone Undecanoate Alone or in Combination with Oral Levonorgestrel as Potential Male Contraceptive. *J Proteome Res.* 2008; 7(9):3984-3993.
277. Dusick J, N Fatemi, C Mattozo D McArthur, p Cohan, C Wang, R Swerdloff, D Kelly Pituitary function after endonasal surgery for non-adenomatous parasellar tumors: Rathke's cleft cysts, craniopharyngiomas and meningiomas. *Surgical neurology*, Nov;70(5):482-90; discussion 490-1 2008
278. Johnson C, Jia Y, Wang C, Lue Y, Swerdloff RS, Zhang X-S, Hu Z-Y, Li Y-C, Liu Y-X, Sinh Hikim AP: Role of caspase 2 in apoptotic signaling of primate and murine germ cells. *Biol Reprod Nov*;79(5):806-14 2008
279. Wang C, Shiraishi S, Leung A, Baravarian S, Hull L, Goh V, Lee PW, Swerdloff RS. Validation of a testosterone and dihydrotestosterone liquid chromatography tandem mass spectrometry assay: Interference and comparison with established methods. *Steroids. Dec 12*;73(13):1345-52. 2008.
280. Swerdloff RS, C Wang: Free testosterone measurement by the analog displacement direct assay: old concerns and new evidence. *Clin Chem.* 2008 54(3):458-60.
281. Diaz-Arjonilla M, M Schwarcz, Swerdloff RS, Wang C: Obesity, low testosterone levels and erectile dysfunction. 2008 [e-pub]
282. Fatemi N, JR Dusick, C Mattozo, DL McArthur, PJ Cohan, J Boscardin, C Wang, RS Swerdloff, D Kelly: Pituitary hormonal loss and recovery after transsphenoidal adenoma removal. *Neurosurgery*, 63(4) p709-719 2008
283. Lue, YH, C Wang, YG Cui, XH Wang, JH Sha, ZM Zhou, J Xu, C Wang, AP. Sinha Hikim, RS Swerdloff Levonorgestrel enhances testosterone in suppressing spermatogenesis by greater alteration of testicular gene expression in men *Biol Reprod*, 2008 [e-pub]
284. Guo J, Y Jia S Tao, Y Li, X Zhang, Z Hu, N Chiang, YH Lue, AP Sinha Hikim, RS Swerdloff, C Wang, Y

Liu: Expression of nitric oxide synthase (NOS) during germ cell apoptosis in testis of cynomolgus monkeys after testosterone, heat, and heat plus testosterone treatment J Androl. 2008 Oct 2. [Epub ahead of print].

#### **B. RESEARCH PAPERS - PEER REVIEWED (IN PRESS)**

1. Wang C, and RS Swerdloff: Practical aspects of testosterone substitution ART in the Aging Male J Endocrinology Investigations, 2005
2. Swerdloff RS, and C Wang: Transdermal Androgens: Pharmacology and Applicability to Hypogonadal Elderly Men ART in the Aging Male J Endocrinology Investigations, 2005
3. Cooper TG, C Wang, A Leung, RS Swerdloff, K Kula, J Slowikowska-Hilczer, E Oszukowska, U Paasch, H Glander, W-B Schill, H-C Shuppe, E Nieschlag: Quality control of sperm morphology and motility during a multicentre clinical study. Fertil & Steril 2005
4. Ilani N, C Wang, RS Swerdloff: Transdermal Androgens: Pharmacology and Applicability to Hypogonadal Elderly Men. Sociedd Iberoamericana de Informacion Cientifica (SIIC) the Journal Salud Ciencia Invited Expert, Dec, 2007

#### **C. RESEARCH PAPERS - PEER REVIEWED (SUBMITTED)**

1. Wang, C., Leung, A, Baravarian, S. Berman, N. McDonald, V., Swerdloff, R.S.: Are there differences in daily sperm output between Caucasian and Asian men? Fertil Steril
3. Lue, YH, C Wang, JP Lydon, AP Sinha Hikim, K Ma, A Leung, and RS Swerdloff Effect of Levonorgestrel on Spermatogenesis and Functional Role of Progesterone Receptor in the Testis Endocrinology, 2006
4. Haddad A, IT Gaw Gonzalo, PY Liu JA Brasel, C Wang, C Vadheim, N Berman, B Clevenger, RS Swerdloff: The clinical neurocognitive and psychosocial profile of adolescent and adult males with nonmosaic Klinefelter syndrome: a matched case-control survey J Clin Endocrinol Metab 2006
5. Cui Y, Y Zhu, Y Jia, YH Lue, AP Sinha Hikim, XH Wang, J Ton LX Qian, Z Zhou, C Wang, RS Swerdloff, J Sha: Proteomic Analysis of Testes in Man Treated with Injectable Testosterone Undecanoate. J Clin Endocrinol Metab 2007
6. Rogol AD, RS Swerdloff, T ZumBrunnen, S Fitzpatrick, G Pratt, C McWhirter, JJ Brennan, H Lagast: Pharmacokinetic Evaluation of Testosterone gel 1% in peripubertal males J Clin Endocrinol Metab, 2007
7. Rogol AD, RS Swerdloff, T ZumBrunnen, S Fitzpatrick, G Pratt, C McWhirter, JJ Brennan, H Lagast: An Open-Label Study to Determine the Safety and Clinical Response to Transdermal Testosterone Gel 1% (AndroGel®) in Adolescent Males with Delayed Pubertal Development J Clin Endocrinol Metab, 2007
10. Yue J, J Castellanos, Y Vera, C Wang, YH Lue, RS Swerdloff, AP Sinha Hikim: Inhibition of the activation of p 38 mitogen-activated protein kinase by SB 203580 prevents germ cell apoptosis of murine induced by transient scrotal hyperthermia. J Biological Chemistry 2008

12. Jasuja R, J Ulloor, CM Yengo, K Choong, AY Istomin, DR Livesay, DJ Jacobs, RS Swerdloff J Miksowska, RW Larsen, S Bhasin: Kinetic and thermodynamic characterization of dihydrotestosterone-induced conformational perturbations in androgen receptor ligand binding domain
15. Wang C, E Nieschlag, A Morales, L Gooren, E Nieschlag, JJ Legros, F Wu, J Morely, J Kaufman, RS Swerdloff: ISA/ISSAM/EAU/ EAA Recommendations on Testosterone Treatment of Late onset hypogonadism. European Journal of Urology, 2008
16. Liu PY, K Erkkila, JD Jentsch, YH Lue, MD Schwarcz, D Abuyoumes, C Wang, RS Swerdloff Genetic & Hormonal control of gender preference and social behavior of XXY mice. PNAS; Endocrinology, 2008
17. Jasuja R, RS Swerdloff: Mol Endo, 2008

#### **D. RESEARCH PAPERS - NON-PEER REVIEWED**

1. Odell, W.D., Reichert and R.S. Swerdloff: Correlation between bioassay and immunoassay of human luteinizing hormone. In: Gonadotropins, E. (ed), Geron-X. Los Altos, California, 1968 pp. 401-407.
2. Andres, R., H. Langs, T. Pozefsky, R.S. Swerdloff and R.I. Gregerman: Alteration in carbohydrate metabolism with age: Quantitation and investigations into the underlying mechanism. 7th International Congress of Gerontology, Vienna 1: 351-353, 1966.
3. Andres, R., R.S. Swerdloff and J.D. Tobins: The effect of age on plasma insulin response to hyperglycemia: Studies in man with servo-control technique. In: Proc. of the 8th International Congress of Gerontology, Federation of American Societies for Experimental Biology, Bethesda, Maryland, 1969.
4. Odell, W.D., G. Abraham, H. Raud, R.S. Swerdloff and D.A. Fisher: Influence of immunization procedures on the titer, affinity and specificity of antisera to glycopolypeptides. In: Karolinska Symposia on Research Methods in Reproductive Endocrinology, First Symposium, Immunoassay of Gonadotropins, Acta Endocrinol. (Suppl 1) 142: 54-76, 1970.
5. Andres, R., T. Pozefsky, R.S. Swerdloff and J.D. Tobin: Effect of aging on carbohydrate metabolism. Suppl. 1 to Advances in Metabolic Disorders, Proceedings of the First International Symposium, R.A. Camerini-Davalos and H.S. Cole (eds), New York, Academic Press, 1970, pp. 349-355.
6. Odell, W.D., R.S. Swerdloff, G. E. Abraham, H.S. Jacobs and P.C. Walsh: Pituitary gonadal interrelations. In: Control of Gonadal Steroid Secretion, D.T. Baird and J.A. Strong (eds), Edinburg University Press, and Williams & Wilkins Co., Baltimore, pp. 31-64, 1971.
7. Odell, W.D. and R.S. Swerdloff: The role of the gonads in sexual maturation. In: The Control of Onset of Puberty. M.M. Grumbach, G.D. Brave, F.E. Mayer (Eds.), J. Wiley and Sons, Inc., New York, New York, Chapter 11:313-332, 1974.
8. Odell, W.D. and R.S. Swerdloff: Maturation of sexual function. In: Puberty, Biologic and Psychosocial Components. S.R. Berenberg (ed), H.E. Stenfort-Kroese, B.V. Leiden, Netherlands, 1975, pp. 88-105.
9. Swerdloff, R.S. and W.D. Odell: Gonadal factors in puberty. 5th International Congress of Endocrinology, V.H.T. James (ed), Excerpta Medica, Amsterdam, 1:282-286, 1976.

10. Braunstein, G.D. and R.S. Swerdloff: Effect of aqueous extracts of bull and rat testicles on serum FSH and LH in the acutely castrate male rat. In: *The Testis in Normal and Infertile Men*. P. Troen and H.R. Nankin (eds), Raven Press, New York, pp. 281-291, 1977.
11. Swerdloff, R.S. and W.D. Odell: Modulating influences of FSH, GH and prolactin on LH stimulated testosterone secretion. In: *The testis in normal and infertile men*, R. Troen and H.R. Nankin (eds), Raven Press, New York, 1977.
12. Swerdloff, R.S., A. Palacios, R.D. McClure, L.A. Campfield, S. A. Brosman: Clinical evaluation of testosterone enanthate in the reversible suppression of spermatogenesis in the human male: Efficacy, mechanism of action and adverse effects. *Proc. Hormonal Control of Male Fertility*, 1977. U.S. Dept. Health, Education and Welfare, NIH, D.J Patanelli (ed), 1978, p. 41.
13. Swerdloff, R.S. and S. Bhasin: Hormonal effects of GnRH agonist in the human male: an approach to male contraception using combined androgen and GnRH agonist treatment. *LHRH and Its Analogues: Basic and Clinical Aspects*, F. LaBrie, A. Belanger, A. Dupont (eds), Excerpta Medica, pp. 287-304, 1984.
14. Bhasin, S. and R.S. Swerdloff: Rat testicular GnRH-like factors. In: *gonadal proteins and peptides and their biological significance*, M.R. Sairam and L.E. Atkinson (eds), World Scientific Publishing Co., Singapore, pp. 327-337, 1984.
15. Swerdloff, R.S. and S. Bhasin: A new approach to male contraception using combined androgen and GnRH agonist treatment. In: *Methods for the regulation of male fertility*, T.C.A. Kumar and G.M.H. Waites (eds), Indian Council of Medical Research, New Delhi, India, p. 14-25, 1984.
16. Bhasin, S., T.J. Fielder, N. Peacock and R.S. Swerdloff: Disassociating antifertility effects of a GnRH antagonist from its adverse effects on the mating behavior - the critical importance of testosterone dose. In: *Male contraception - advances and future prospects*, Harper and Row, 1985.
17. Swerdloff, R.S.: *Infertility: The man's role and the problem*. UCLA Health Insights, 1988.
18. Wang, C. and R. S. Swerdloff: Male infertility - overview of current therapy. *Proceedings of 13th World Congress on Fertility and Sterility*, Marrakesh, B. Boutaleb (ed), Parthenon Publishing, Casterton Hall, UK, Vol 1, Chapter 3, 1990.
19. Swerdloff, R.S., L.K.S. Tom, W. Salameh, B. Steiner, M. Peterson, J. Rivier, W. Vale and S. Bhasin: Male contraception: Achievement of reversible azoospermia by combined gonadotropin releasing hormone antagonist and testosterone enanthate. *Proceedings of Tianjin International Symposium on LHRH Analogues*, Tianjin, PRC, September 24, 1991.
20. Wang C., R. S. Swerdloff: Clinical and laboratory evaluation of male infertility, American Association for Clinical Chemistry, Inc., Education Department, Washington D.C., January, 1992
21. Swerdloff, R.S., S. Bhasin and L. Tom: GnRH analogs in male contraceptive trials. In: *Infertility and reproductive medicine clinics of North America*, M, Henzl (ed), W.B. Saunders Company, Philadelphia, PA, January 1993.
22. Wang, C., R.S. Swerdloff and G.M.H. Waites: *Male Contraception: 1993 and Beyond*. International Symposium on Contraceptive Research and Development for the Year 2000 and Beyond, Mexico City, Mexico March 8-10, 1993.

23. Swerdloff, R.S., Y.H. Lue, C. Wang, T. Rajavashisth, A.P. Sinha Hikim: Hormonal regulation of germ cell apoptosis. In: XIVth Testis Workshop: Germ Cell Development, Division, Disruption and Death. (Zirkin BR, ed), Serono Symposium, Springer-Verlag, Norwell, MA, 1998, pp 150-164.
24. Sinha Hikim, AP, RS, Swerdloff: Does Germ Cell Apoptosis Play a Role in Clinical Andrology? American Society of Andrology Post graduate Course. April, 1999
25. Swerdloff RS, Chair Andropause Conference, S Bhasin, M Blackman, G Cunningham, A Dobs, A Iranmanesh, A Matsumoto, J Morley, C Wang: Summary of the consensus session from the 1<sup>st</sup> annual andropause consensus 2000 meeting, Endocrine Society (publisher) April, 2000
26. Swerdloff, RS: Testosterone Replacement Therapy in Me: Emerging Clinical Issues. Clinical Bulletin sponsored by Endocrine Society CMES, 2000
27. Swerdloff, RS: Identifying testosterone deficiency in the aging man. Testosterone deficiency in men. Best practices for diagnosis and treatment. Journal of Family Practice Health Media Dowden pp3-5 2005 (faculty chair for supplement)

**E. RESEARCH PAPERS - NON-PEER REVIEWED (IN PRESS)**

**F. REVIEWS/COMMENTARIES**

1. Swerdloff, R.S. and W.D. Odell: Gonadotropins: Present concepts in the human. California Medicine 109: 467-485, 1968.
2. Swerdloff, R.S.: Treatment of hyperthyroidism. In: Symposium on Hyperthyroidism, W.D. Odell, D.A. Fisher, S.G. Korenman, D.H. Solomon and R.S. Swerdloff (contributors). California Medicine 113: 55-65, 1970.
3. Swerdloff, R.S.: Pheochromocytoma. In: Catecholamine Symposium. G.A. Bray, V. Dequattro, D.A. Fisher, M.A. Goldberg, W.D. Odell and M.A. Sperling (contributors). California Medicine 117: 32-61, 1972.
4. Swerdloff, R.S.: Atypical diabetic coma. Discussants: G.A. Bray, R.H. Fiser, D.A. Fisher, W.D. Odell, D. Rimoin and M.A. Sperling. Symposium: The Obese Diabetic: A Symposium on New Developments. California Medicine 119: 14-47, 1973.
5. Swerdloff, R.S.: Mechanism of action, efficacy and introduction of complications of systemic contraceptive agents. In: Complications of systemic contraceptive agents symposium, R.S. Swerdloff (moderator), W.D. Odell, G.A. Bray, R.H. Fiser, A.R. Wolfson, D.A. Fisher and M.A. Sperling (contributors). Western J. Med. 122: 20-49, 1975.
6. Odell, W.D. and R.S. Swerdloff: Male hypogonadism. Western Journal of Medicine 124: 446-475, 1976.
7. Haider, M. and R.S. Swerdloff: Radioimmunoassay of steroid hormones. In: Clinical immunochemistry - chemical and cellular cases and applications in disease. S. Natelson, R. Perce and A. Dietz (eds), The American Association for Clinical Chemistry, Washington, D.C., 1978, p. 409-428.
8. Swerdloff, R.S.: Physiological control of puberty. Medical Clinics of North America 62: 351, 1978.
9. Odell, W.D. and R.S. Swerdloff: Abnormalities of gonadal function in men. Clini Endocrinol 8:149-180, 1978.

10. Swerdloff, R.S. and S.P. Boyers: Evaluation of the male partner of an infertile couple: An algorithmic approach. JAMA 247: 2418-2422, 1982.
11. de Kretser, D.M. and R.S. Swerdloff: Eunuchoidism. Medicine International 1: 308-310, 1981.
12. Handelsman, D.J. and R.S. Swerdloff: Male gonadal dysfunction. Clinics in Endo and Metab 14:89-124, 1985.
13. Swerdloff, R.S., J.W. Overstreet, R.Z. Sokol and J. Rajfer: Infertility in the male (UCLA Conference, December 1984). Annals of Internal Medicine
14. Swerdloff, R.S., C. Wang and F.R. Kandeel: Evaluation of the infertile couple. Endocrinology and Metabolism Clinics of North America 17:301-337, 1988.
15. Wang, C. and R.S. Swerdloff: Management of the infertile male. First Post-Graduate Course on Clinical Reproductive Endocrinology and Infertility Proceedings, Excerpta Medica Asia, 1989, pp. 61-65
16. Swerdloff, R.S.: Regulation of the male reproductive system. First Post-Graduate Course on Clinical Reproductive Endocrinology and Infertility Proceedings, Excerpta Medica Asia, 1989, pp. 35-46.
17. Swerdloff, R.S. and C. Wang: Assessment of the infertile male. First Post-Graduate Course on Clinical Reproductive Endocrinology and Infertility Proceedings, Excerpta Medica Asia, 1989, pp. 47-54.
18. Bardin, C.W., R.S. Swerdloff and R.J. Santen: Androgens: Risks and Benefits. J. Clin. Endocrinol. Metab. 73:4-7, 1991.
19. Swerdloff, R.S. and C. Wang: Androgens and aging in men. Exp. Gerontol. 28:435-446, 1993
20. Tom, L.K.S. and R.S. Swerdloff: GnRH Antagonists: Possibilities for a male contraceptive. The Endocrinologist 2:133-137, 1992.
21. Swerdloff, R.S. and C. Wang: Androgen deficiency and aging in men. Western J. Med, 159:579-585, 1993.
22. Wang, C. and R.S. Swerdloff: Androgens. Proceedings from the symposium "Gangguan Fungsi Seksual Pada Diabetes Mellitus Dan Penyakit Metabolik Lain, pp 1-16, 1995.
23. Wang C, Swerdloff, RS Androgen replacement therapy. Ann Med 29:365-370, 1997.
24. Guay, A, H. Nankin, S. Bansal, R. Spark, RS Swerdloff, et al: AACE clinical practice guidelines for the evaluation and treatment of male sexual dysfunction. Endocrine Practice, 4:219-235, 1998.
25. Sinha Hikim AP, Swerdloff RS Hormonal and genetic control of germ cell apoptosis. Rev Reprod 4: 38-47. 1999
26. Lunenfeld B., E. Diczfalussy, C. Schulman, E. Heikkinen, H. Hermanova, D. Crook, R. Swerdloff, J. Kaufman, J.P. Michel, R. Bonita, T. Rantanen, W. Chodzko-Zajko, H. Justl, H. Deets, G. Benagiano, T. Petersen: Men, Ageing, and Health. Ageing and Health Mental Health and Social Change. World Health Organization. Geneva, 2000
27. Swerdloff, Ronald: PIER Module, Male Hypogonadism, American College of Physicians/American Society of Internal Medicine. 2001

28. Kandeel FR, VKT Koussa, RS Swerdloff: Male sexual function and its disorders: physiology, pathophysiology, clinical investigation and treatment. *Endocrine Reviews*, 22(3):342-388. 2001
29. Wang, C. RS Swerdloff: Hormonal Male Contraception. *Contemporary Endocrinology: Hormone Replacement Therapy* (ed AW Meikle) Humana Press Inc., Totowa, NJ. March, 2001
30. Wang, C., RS Swerdloff: Androgen Pharmacology and Delivery Systems. *Contemporary Endocrinology: Androgens in Health and Disease* (ed C. Bagatell and WJ Bremner) Humana Press Inc Totowa, NJ. Pp 141-153. January, 2002
31. Wang C, Sinha Hikim, AP, Ferrini M, Bonavera JJ, Vernet D, Leung A, Lue YH, Gonzalez-Cadiavid NF, Swerdloff RS: Male reproductive ageing: using the brown Norway rat as a model for man. *Novartis Found Symp.*;242:82-95. 2002
32. Swerdloff RS, C Wang: Transdermal androgens: pharmacology and applicability to hypogonadal elderly men. *J Endocrinol Invest.* 28(3 Suppl):112-6. 2005
33. Wang C, RS Swerdloff: Practical aspects of testosterone substitution. *J Endocrinol Invest.* 5:28 (3suppl): 109-11. 2005
34. Liu,P.Y., Wang,C., & Swerdloff,R.S. (2006) Does individual response to androgen replacement therapy affect bone density? *Nat.Clin.Pract.Endocrinol.Metab* 2, 76-77.
35. Liu PY, Wang C, Swerdloff RS. Male sex matter. *Clin Endocrinol (Oxf)*, 63:601-602, 2005.
36. Wang Christina, Christenson Peter, Swerdloff Ronald. Clinical Relevance of racial and ethnic differences in sex steroids. *Journal of Clinical Endocrinology and Metabolism.* 2007 July; 92(7):2433-5.
37. Swerdloff RS Practice Point Should hypogonadal men who are suboptimally responsive to testosterone gel switch to another gel preparation? Commentary on Efficacy of changing testosterone gel preparations (AndroGel or Testim) among suboptimally responsive hypogonadal men. *Nat Clin Pract Urol.* 2008 Mar 4
38. Reply to Dr Ponholzer and Dr Madersbacher's Letter to the Editor re: Christina Wang, Eberhard Nieschlag, Ronald Swerdloff et al. Investigation, Treatment, and Monitoring of Late-Onset Hypogonadism in Males: ISA, ISSAM, EAU, EAA. *EURURO*2848 *European Urology*

#### **G. REVIEWS (IN PRESS)**

#### **H. REVIEWS/COMMENTARIES (SUBMITTED)**

1. Diaz-Arjonilla M, M Schwarcz, R.S. Swerdloff, and C Wang Obesity, low testosterone, and erectile dysfunction. *IJIR*, 2008

#### **I. BOOK CHAPTERS**

1. Odell, W.D. and R.S. Swerdloff: Radioimmunoassay of LH and FSH in human serum. In: *Radioisotopes in Medicine: In Vitro Studies*, R.L. Hayes, F.A. Goswitz and B.E.P. Murphy (eds), A.E.C. Symposium Series No 13 (Conf-67111), Oak Ridge, Tennessee, pp. 165-183, 1968.

2. Odell, W.D., R.S. Swerdloff and H.R. Raud: Assay of gonadotropins in biological fluids. In: laboratory tests in diagnosis and investigation of endocrine function, Ed. 2, R.F. Escamilla (ed). F.A. Davis Co., Philadelphia, 1971.
3. Odell, W.D., J. Bain, R.S. Swerdloff and A. Nichols: Diagnosis of endocrine disorders by radioisotopic methods. Presented at the 13th Oak Ridge Symposium on Nuclear Medicine, 1971. In: Symposium Series on Clinical Uses of Radionucleides: Critical Comparison with Other Techniques, AEC, National Tech. Info. Services, National Bureau of Standards, U.S. Dept. of Commerce, Springfield, Virginia, 1971.
4. Swerdloff, R.S. Contraception: Current status of hormonal agents. In: Endocrinology and Diabetes, Grune and Stratton, New York, 1975, p. 239.
5. Steinberger, E., R.S. Swerdloff and R. Horton: The control of testicular function. A review of investigations conducted on testicular function and its control in the last 10-15 years. In: Frontiers in Reproduction and Fertility Control, R. Greep (ed), M.I.T. Press, Boston, Mass., 1977, pp. 264-292.
6. Swerdloff, R.S. and A.R. Glass: Male reproductive abnormalities. In: Endocrine Pathophysiology - A Patient Oriented Approach. J.M. Hershman (ed), Lea 'Febiger, Philadelphia, 1977, p. 177.
7. Swerdloff, R.S.: Physiology of male reproduction - Hypothalamic-pituitary function, the hypothalamic-pituitary-gonadal axis. In: Campbell's Urology, 4th Edition, J. Hartwell Harrison (ed), W.B. Saunders Company, Philadelphia, 1978, pp. 125-133.
8. Odell, W.D., R.S. Swerdloff and F. Wollesen: Selected aspects of control of LH and FSH secretion in women. In: Endocrine function of the human ovary, V.H.T. James, M. Serio, G. Giusti (eds), Academic Press, New York, 1976, 89-
9. Swerdloff, R.S.: Evaluation of reproductive function. In: Radioimmuno-assay Manual, 3rd Edition, Nichols Institute, 1976.
10. Swerdloff, R.S. and D. Heber: Endocrine control of testicular function from birth to puberty. In: The Testis, H. Burger (ed), Raven Press, New York, 1981, p. 107-26.
11. Swerdloff, R.S. and R.Z. Sokol: Male reproductive abnormalities. In: Endocrine Pathology, Vol. II, J. Hershman (ed), Lea 'Febiger, Philadelphia, 1980
12. Swerdloff, R.S. and D. Heber: Effects of aging on male reproductive function. In: The Endocrinology of Aging, S. Korenman (ed), Elsevier, North Holland, New York, 1982.
13. Swerdloff, R.S. and D.M. de Kretser: Endocrine evaluation of the infertile male. In: Infertility in the Male, L. Lipschultz and S. Howards (ed), Churchill Livingstone, Inc., New York, 1983, pp 207-216.
14. Swerdloff, R.S.: Evaluation and treatment of the anovulatory woman. In: Syllabus. Thirty-third Annual Postgraduate Assembly of the Endocrine Society, The Endocrine Society, 1981, pp 256-273
15. Swerdloff, R.S. and D. Heber: Modern management of male hypogonadism. In: Endocrinology for the Practicing Internist, H. Carlson (ed). pp. 207-222, 1983.



16. Swerdloff, R.S. and A.R. Glass: Male reproductive abnormalities. In: Endocrine Pathophysiology: A patient-oriented approach, J.M. Hershman (ed). pp. 157-170, 1982.
17. Sokol, R.Z. and R.S. Swerdloff: Hypogonadism-androgen therapy, current therapy in endocrinology, 1983-84. D. Krieger and C.W. Bardin (eds.). Burlington, Ontario, 1983, pp. 345-350.
18. Sokol, R.Z. and R.S. Swerdloff: Hypogonadism - Androgen therapy. In: Current Therapy in Internal Medicine, T.M. Bayless, M.C. Brain and R.M. Cherniack (eds). B.C. Decker, Inc., Philadelphia, pp 545-552, 1984
19. Swerdloff, R.S. and R.Z. Sokol: Male contraception. In: Medicine de la Reproduction, Volume II, P. Mauvais-jarvis, G. Schaison, J. Mahoudeau and P. Bouchard (eds), Flammarion, Paris, pp. 415-419, 1984.
20. Swerdloff, R.S. and D. Heber: Superactive GnRH agonists. In: The Annual Review of Medicine: Selected topics in the Clinical Sciences, W.P. Creger (ed), Annual Reviews, Inc., Palo Alto, CA 34: 491-500, 1983.
21. Sokol, R.Z. and R.S. Swerdloff: Male infertility: - Diagnosis and medical management. In: Infertility - Diagnosis and Management, E.J. Aiman (ed), Springer/Verlag, N.Y., pp. 185-197, 1984.
22. Swerdloff, R.S. and S. Bhasin: Male reproductive physiology In: Infertility - Diagnosis and Management, E.J. Aiman (ed.), Springer/Verlag, pp. 177-184, 1984.
23. Swerdloff, R.S. and D. Heber: Effects of combined GnRH agonists and testosterone on testicular function in man and experimental animals. Proc. Recent Advances in Male Reproduction, Catania-Taormina, Italy, Raven Press, Vol. 7, R. D'Agata, H.B. Lipsett and H.J. Van der Molen, (eds), 1983.
24. Swerdloff, R.S.: Clinical disorders of testicular function. In: Syllabus. 1982 Postgraduate Assembly of The Endocrine Society, The Endocrine Society, 1982.
25. Heber, D. and R.S. Swerdloff: GnRH antagonists: Potential as male contraceptives - Studies in the rat. In: LHRH and its Analogs - A New Class of Contraceptive and Therapeutic Agents, B. Vickery and J. Nestor (eds), MTP Press Ltd., Lancaster, England, pp. 153-160, 1984.
26. Swerdloff, R.S. and D. Heber: Clinical studies of GnRH agonist in the male. In: LHRH and its Analogs - A New Class of Contraceptive and Therapeutic Agents, B. Vickery and J. Nestor (eds), MTP Press, Ltd., Lancaster, England, pp. 257-269, 1984.
27. Bhasin, S. and R.S. Swerdloff: Hypothalamic hypogonadism. In: Special Topics in Endocrinol and Metab, M.P. Cohen and P.P. Foa (eds), Alan R. Liss, Inc., New York, Vol. 7: 237-266, 1985.
28. Swerdloff, R.S.: Physiology of male reproduction - Hypothalamic-pituitary function, the hypothalamic-pituitary-gonadal axis. In: Campbell's Urology, 5th Edition, J. Hartwell Harrison (ed), W.B. Saunders Company, Philadelphia, 186-200, 1985.
29. Sokol, R.Z. and R.S. Swerdloff: Practical considerations in the use of androgen therapy. In: Male Sexual dysfunction, R.J. Santen and R.S. Swerdloff (eds), Marcel Dekker, Inc., New York, p. 211-226, 1985.

30. Bhasin, S. and R.S. Swerdloff: Toward development of male contraceptives. In: Male Sexual Dysfunction, R.J. Santen and R.S. Swerdloff (eds), Marcel Dekker, Inc., New York, p. 579-600, 1985.
31. Swerdloff, R.S. and R.Z. Sokol: Manifestations of androgen deficiency and effects of androgen therapy. In: Reproductive Medicine, E. Steinberger, G. Frajese and A. Steinberger (eds), Serono Symposia, Vol. 29, Raven Press, New York, 1986.
32. Bhasin, S., T.J. Fielder and R.S. Swerdloff: Dissociating antifertility effects of a GnRH antagonist from its adverse effects on the mating behavior - the critical importance of testosterone dose. In: Male Contraception - Advances and Future Prospects, G.I. Zatuchni, A. Goldsmith et al. (eds), Endocrine Patho-physiology, 2nd edition Harper and Row, P. 329-335, 1986.
33. Bhasin, S. and R.S. Swerdloff: Male reproductive disorders. In: Manual of Endocrinology and Metabolism. N. Lavin (ed), Little Brown and Company, Boston, Massachusetts, 1986.
34. Bhasin, S. and R.S. Swerdloff: Normal and abnormal pubertal development. In: Urologic Endocrinology, J. Rajfer (ed), W.B. Saunders Co., Philadelphia, pp. 299-315, 1986.
35. Swerdloff, R.S. and W.J. Raum: Neuroendocrine control of reproduction. In: Encyclopedia of Neuroscience, G. Adelman (ed), Birkhauser, Inc., Boston, pp. 1048-50, 1987.
36. Swerdloff, R.S. and S. Bhasin: Hypothalamic-pituitary disorders in male infertility. In: Pathology of Infertility., B. Gondos (ed), Thieme Medical Publishers, New York, 1987.
37. Swerdloff, R.S., S. Bhasin: Male reproductive abnormalities. In: Endocrine pathophysiology: A patient oriented approach. 3rd edition, J.M. Hershman (ed), Lea & Febiger, Philadelphia, pp. 183-202, 1987.
38. Bhasin, S. and R.S. Swerdloff: Contraceptive studies with luteinizing hormone-releasing hormone agonists. In: Seminars in Reproductive Endocrinology, Vol. 5, R. Asch (ed), Thieme Medical Publishers, New York, pp. 381-387, 1987.
39. Bhasin, S., B.S. Steiner and R.S. Swerdloff: LHRH agonists and male contraception. In: LHRH and Its Analogs. Contraceptive and Therapeutic Applications, Part 2, B.H. Vickery and J.J. Nestor Jr. (eds), MTP Press, Massachusetts, pp. 427-439, 1987.
40. Swerdloff, R.S. and S. Bhasin: GnRH-like testicular factors. In: Peptide Hormones: Effects and Mechanisms of Action, A. Negro-Vilar and P.M. Conn (eds), CRC Press, Florida, pp. 167-180, 1988.
41. Swerdloff, R.S. and F. Jockenhovel: Endocrinology of the male. In: Textbook of Internal Medicine, Vol. 2, W.N. Kelley (ed), J.B. Lippincott Company, Philadelphia, pp 2205-2214, 1989.
42. Wang, C. and R.S. Swerdloff: Approach to infertility in the male. In: Textbook of Internal Medicine, Vol. 2, W.N. Kelley (ed), J.B. Lippincott Company, Philadelphia, pp 2305-2307, 1989.
43. Swerdloff, R.S. and F. Kandeel: Approach to sexual dysfunction in the male. In: Textbook of Internal Medicine, Vol. 2, W.N. Kelley (ed), J.B. Lippincott Company, Philadelphia, pp 2308-2312, 1989.
44. Jockenhovel, F. and R.S. Swerdloff: Alterations in the steroidogenic capacity of leydig cells in cryptorchid testis. In: The Cryptorchid Testis, T.O. Abney and B.A. Keel (eds), CRC Press, Florida, p 35-54, 1989.

45. Swerdloff, R.S., C. Wang and S. Bhasin: Male contraception: 1988 and Beyond. In: *The Testis*, 2nd Edition, H. Burger and D. de Kretser (eds), Raven Press, New York, 1988, pp 547-568.
46. Swerdloff, R.S.: Regulation of the male reproductive system. In: *Clinical Reproductive Endocrinology & Infertility*, P.C. Wong (ed), Excerpta Medica Asia Ltd., Hong Kong, 1990, pp 35-46.
47. Swerdloff, R.S. and C. Wang: Assessment of the infertile male. In: *Clinical Reproductive Endocrinology & Infertility*, P.C. Wong (ed), Excerpta Medica Asia Ltd., Hong Kong, 1990, pp 47-54.
48. Wang, C. and R.S. Swerdloff: Management of the infertile male. In: *Clinical Reproductive Endocrinology & Infertility*, P.C. Wong (ed), Excerpta Medica Asia Ltd., Hong Kong, 1990, pp 61-65.
49. Swerdloff, R.S., C. Wang and R.Z. Sokol: Endocrine evaluation of the infertile male. In: *Infertility in the Male*, 2nd Ed, L. Lipshultz and S. Howards (eds), Mosby Year Book, St. Louis, 1991, PP 211-222.
50. Swerdloff, R.S., F. Jockenhovel, C. Wang: Endocrinology of the male. In: *Textbook of Internal Medicine*, 2nd Ed, W.N. Kelley (ed), J.B. Lippincott Company, Philadelphia, 1991, pp 2013-2021.
51. Swerdloff, R.S. and F. Kandeel: Approach to sexual dysfunction in the male. In: *Textbook of Internal Medicine*, 2nd Ed, W.N. Kelley (ed), J.B. Lippincott Company, Philadelphia, 1991, pp 2098-2100.
52. Swerdloff, R.S. and C. Wang: Approach to infertility in the male. In: *Textbook of Internal Medicine*, 2nd Ed, W.N. Kelley (ed), J.B. Lippincott Company, Philadelphia, 1991, pp 2095-2096.
53. Wang, C. and R.S. Swerdloff: Androgens. In: *Textbook of Pharmacology*, A. Reynard and C. Smith (eds), W.B. Saunders Company, Philadelphia, 1991, pp 683-694.
54. Wang, C. and R.S. Swerdloff: Clinical and laboratory evaluation of male infertility. In: *Service Training and Continuing Education*, American Association for Clinical Chemistry, Inc., 10, 1992, pp 9-15.
55. Swerdloff, R.S. and Wang, C: Physiology of Male Reproduction: Hypothalamic-Pituitary Function. In: *Campbell's Urology*, P.C. Walsh (ed), W.B. Saunders Company, Philadelphia, 1992, pp 177-189.
56. Wang, C. and R.S. Swerdloff: Evaluation of testicular function. In: *The Testes, Clinical Endocrinology and Metabolism*, Vol 6. D. de Kretser (ed), Bailliere Tindall, London, 1992, pp 405-434.
57. Swerdloff, R.S., C. Wang and S. Bhasin: Developments in the control of testicular function. In: *The Testes, Clinical Endocrinology and Metabolism*, Vol 6. D. de Kretser (ed), Bailliere Tindall, London, 1992, pp 451-483.
58. Swerdloff, R.S., S. Bhasin and L. Tom: GnRH analogs in male contraceptive trials. In: *Infertility and Reproductive Medicine Clinics of North America*, M. Henzl (ed), W.B. Saunders Company, Philadelphia, PA, 1992, pp 115-128.
59. Swerdloff, R.S.: Physiology of Male Reproduction. In: *Urology*, Kumamoto (ed), Life Medicom Inc., Tokyo, Japan, 1992, pp 161-182.

60. Swerdloff, R.S. and S. Bhasin: Male reproductive disorders in adults. In: Manual of Endocrinology and Metabolism, N. Lavin (ed), Little Brown and Co., 1993, pp 247-271.
61. Wang, C. and R.S. Swerdloff: Male reproductive disorders. In: Laboratory Medicine: The Selection and Interpretation of Clinical Laboratory Studies, R.C. Rock and D. Noe (eds), Williams and Wilkins, 1993, pp 838-857.
62. Wang, C. and R.S. Swerdloff: Medical treatment of male infertility. In: Infertility: Evaluation and Treatment, Keye, W.R., Rebar, R.W., Chang, R.J. and Soules, M.R. (eds), W.B. Saunders Company, Philadelphia, 1994, pp 609-620.
63. Wang, C. and R.S. Swerdloff: Medical treatment of male infertility. In: Management of Impotence and Infertility, E.D. Whitehead, H. M. Nagler and J.B. Lippincott, 1994, pp 203-218.
64. Kandeel, F.R. and R.S. Swerdloff: Gynecologist laboratory evaluation. In: Laboratory Medicine: The Selection and Interpretation of Clinical Laboratory Studies, R.C. Rock and D. Noe (eds), Williams and Wilkins, 1994, pp 787-823.
65. Kandeel, F.R. and R.S. Swerdloff: Female Reproductive Disorders and Pregnancy. In: Wang, C. and R.S. Swerdloff: Medical Treatment of Male Infertility. In: Infertility: Evaluation and Treatment, W.R. Keye, R.J. Chang, R.W. Rebar, M.R. Soules (eds), W.B. Saunders Company, Philadelphia, PA, 1995, pp 609-620.
66. Wang, C. and R.S. Swerdloff: Androgens. In: Essentials of Pharmacology, C.M. Smith, A. M. Renard (eds), W.B. Saunders Company, Philadelphia, PA, 1995, pp 555-562.
67. Bhasin, S. and R.S. Swerdloff: Follicle-stimulating hormone and luteinizing hormone. In: The Pituitary, S. Melmed (ed), Blackwell Scientific Publications, Cambridge, MA, 1995, pp 230-276.
68. Wang, C., and R.S. Swerdloff: Testosterone Undecanoate and Testosterone Cyclodextrin in: Biology, Pharmacology, and Clinical Applications of Androgens, S. Bhasin, H. Gabelnick, J. Spieler, R.S. Swerdloff, C. Wang (eds), Wiley-Liss, New York, New York, 1996, pp487-491.
69. Swerdloff, R. S., B. Steiner, C. Callegari and S. Bhasin: GnRH Analogues and Male Contraception in: Biology, Pharmacology, and Clinical Applications of Androgens, S. Bhasin, H. Gabelnick, J. Spieler, R.S. Swerdloff, C. Wang (eds), Wiley-Liss, New York, New York, 1996, pp 355-365.
70. Swerdloff, R. S., and Wang, C., Clinical Evaluation of Leydig Cell Function, In: *The Leydig Cell*. A.H. Payne, M.P. Hardy, L.D. Russell (Eds) Cache River Press, Vienna, IL, 1996, pp. 663-694.
71. Swerdloff, R.S., Wang, C., Giwercman, A.: Male Infertility and Hypogonadism: Causes, Diagnosis, and Management. In: Laboratory and Clinical Assessment of Male Reproductive Function. pub. Nordisk Forskerutdanningsakademi. June, 1996.
72. Wang, C., Swerdloff, R.S.: Androgen Replacement Therapy. In: Laboratory and Clinical Assessment of Male Reproductive Function. Pub. Nordisk Forskerutdanningsakademi. June, 1996.
73. Swerdloff, R.S.: Male Sexual Dysfunction, Aging, Disorders of the Male Breast. In: Laboratory and Clinical Assessment of Male Reproductive Function. Pub., Nordisk Forskerutdanningsakademi. June, 1996

74. Sokol, R., Swerdloff, R.S.: Endocrine Evaluation. In: Infertility in the Male. Third Edition. Mosby-Year Book, Inc. Ch.11, pgs. 210-218., 1997
75. Swerdloff, R.S., Y.H. Lue, C. Wang, T. Rajavashisth, A.P. Sinha Hikim: Hormonal Regulation of Germ Cell Apoptosis. In: Germ Cell Development, Division, Disruption and Death. B. R. Zirkin (ed) Springer, 1997 pp 150-164
76. Wang C., RS Swerdloff: Gonadotropin Therapy for Infertility in Males
77. Swerdloff, R.S., C. Wang: Causes of Male Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA., 1998
78. Swerdloff, R.S., C. Wang: Treatment of Male Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA., 1998
79. Swerdloff, R.S., C. Wang: Diagnosis of Infertility In: UpToDate, 1998, Rose, B.D. (Ed) UpToDate, Wellesley, MA., 1998
80. Raum, W. J. and R. S. Swerdloff: Neuroendocrine Control of Reproduction. In: Encyclopedia of Neuroscience. CD ROM 2nd edition, G. Adelman (ed), Birkhauser, Inc., Boston , 1998
81. Wang, C., Swerdloff, R.S.: Androgen Replacement Therapy In: Current Therapy of Endocrinology and Metabolism, ed. C. Wayne Bardin, M.D., Mosby-Year Book, Philadelphia, PA, 1998
82. Swerdloff, RS, Wang C.: Dihydrotestosterone: a rationale for its use as a non-aromatizable androgen replacement therapeutic agent. In: The Therapeutic Role of Androgens, ed S. Bhasin. Bailliere's Clinical Endocrinology and Metabolism, October, 1998. 12:501-506, 1998
83. Sinha Hikim, A.P., Lue, Y.H. Wang, CW, Swerdloff, RS: Spermatogenesis and Germ Cell Death In: Male Reproductive Function ed. C. Wang, Kluwer Academic Publishers. Norwell, MA, 1999 pp 19-39
84. Wang, C., Swerdloff, R.S.: Male Hormonal Contraception. In: Contraception and Office Gynecology. A Kubba, J Sanfilippo, N Hampton (eds), W.B. Saunders: London, pp 129-138, 1999
85. Wang, C., Swerdloff, RS: Androgen Replacement Therapy, Risks and Benefits. In: Male Reproductive Function ed. C. Wang, Kluwer Academic Publishers. Norwell, MA pp157-172, 1999
86. Raum, W. J. and R. S. Swerdloff: Neuroendocrine Control of Reproduction. In: Elsevier's Encyclopedia of Neuroscience. In print and CD ROM 2nd edition, G. Adelman, BH Smith (ed), Birkhauser, Inc., Boston , 1999
87. Swerdloff RS, Wang C: The Testis and Male Sexual Function. Cecil Textbook of Medicine, Twenty-First Edition, WB Saunders, Philadelphia, PA, pp 1307-1317 1999
88. Swerdloff, RS, Wang C: Male Contraception in the 21<sup>st</sup> Century In: Endocrine Update Series-Male Reproduction. Kluwer Academic Publishers, MA. 1999
89. Wang, CW, Swerdloff, RS: Hormonal Male Contraception. In Contemporary Endocrinology: Hormonal Replacement Treatment. AW Meikle (ed) Humana Press Inc Totwa NJ pp 357-369, 1999

90. Bhasin, S., Fisher, C., Swerdloff, RS: Follicle-stimulating hormone and luteinizing hormone. In: The Pituitary S. Melmed (ed) Blackwell Scientific Publications, Cambridge, MA, pp 216-278, 2000
91. Swerdloff, R.S., C. Wang: Diagnosis of Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA., 2000 Revision
92. Swerdloff, R.S., C. Wang: Causes of Male Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA., 2000. Revision
94. Swerdloff RS, C Wang: Androgen replacement using testosterone gel. Harrison's Online, 2000
93. Wang C, AP Sinha Hikim, M Ferrini, JJ Bonavera, D Vernet, A Leung, YH Lue, NF Gonzalez-Cadavid, RS Swerdloff: Male reproductive aging: using the brown Norway rat a model for man. In: Novartis Foundation Symposium NF 242 on Endocrine facets of aging in the human and experimental animals (Veldhuis J, Laron Z, Chadwick D, eds), John Wiley & Sons, Ltd., London. 2000
94. Swerdloff, RS: Hypothalamo-pituitary gonadal axis in men. In: Hormones Brain and Behavior. Donald Pfaff (ed) Academic Press, San Diego, CA. 2000
95. Swerdloff, R.S., C. Wang: Causes of Male Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA. 2001. Revision
96. Swerdloff, R.S., C. Wang: Treatment of Male Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA. 2001 Revision
97. Swerdloff, R.S., C. Wang: Diagnosis of Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA, 2001 Revision
98. Wang C, Swerdloff RS. Hormonal Male Contraception. In Contemporary Endocrinology: Hormonal Replacement Treatment, 2<sup>nd</sup> Edition. A.W. Meikle (ed) Humana Press Inc: Totowa, NJ, Chap 20, pp 357-369, 2001
99. Wang C, Swerdloff RS. Androgen pharmacology and delivery systems. In Androgens in Health and Disease. WJ Bremner and CJ Bagatell (eds) Humana Press Inc: Totowa, NJ, pp 141-153, 2001
100. Swerdloff RS, C Wang: Endocrine system changes in the aging male. In: Textbook of Men's Health. Bruno Lunenfeld, Louis Gooren (eds) Parthenon Publishing Group, NY, NY pp143-147, 2002
101. Swerdloff RS, C Wang: Androgens and the Aging Male. In: Textbook of Men's Health. Bruno Lunenfeld, Louis Gooren (eds) Parthenon Publishing Group, NY, NY pp148-157, 2002
102. Palomeno GE, RS Swerdloff: Gynecomastia: etiology, diagnosis, and treatment. In: EndoText online text book [www.endotext.org](http://www.endotext.org), 2002
103. Wang C, AP Sinha Hikim M Ferrini, JJ Bonavera, D Vernet, A Leung, YH Lue, NF Gonzalez-Cadavid, RS Swerdloff: Male reproductive aging: using the brown Norway rat as a model for man. In: Norvartis Foundation Symposium (NF 242) on "Endocrine facets of aging in the human and experimental animals" Veldhuis J, Z Laron, D Chadwick (eds) John Wiley & Sons, Ltd. London, NPS295, pp 82-97, 2002

104. Wang C, Swerdloff RS. Male Contraception: In Clinical Obstetrics Gynecology, S. Arulkumaran, DT Baird, DH Barlow, JL Benedet, I Brosens, S Brennecke, I Fraser, J Cain, NS Chye, N Fisk, R Hale, PC Ho, I Ingemarsson, H Kitchener, T Johnson, JP Neilson, SK Smith, EM Symonds, A Lalonde, J Moodley (eds). Bailliere's Best Practice & Research. East Sussex, chap 5, Vol 16, p 193-203 2002
105. Salameh, WS, RS Swerdloff: Neuroendocrine control of reproduction. In: Encyclopedia of Neuroscience (second edition) ed George Adelman and Barry Smith, 2002
106. Bhasin S, CE Fisher, RS Swerdloff: Follicle-stimulating hormone and leutinizing hormone. In: The Pituitary (second edition) S Melmed (ed) Blackwell publishing, Malden, Mass. chap 6 pp 216-278. 2002
107. Swerdloff RS, C Wang, AP Sinha Hikim: Hypothalamic-pituitary-gonadal axis in men. In: Hormones, Brain and Behavior (Pfaff DW, Arnold AP, Etgen AM, Fahrbach SE, Rubin RT, eds), Academic Press, New York, pp 1-36. 2000
108. Wang C, Swerdloff RSS. Hormonal Male Contraception. In: Contemporary Endocrinology, Endocrine Replacement Therapy in Clinical Practice Hormonal Replacement Treatment, 2<sup>nd</sup> edition. A. W. Meikle (ed). Humana Press Inc: Totowa, NJ chap 23 pp 436-451, 2003
109. Wang C, RS Swerdloff. Androgen replacement therapy in hypogonadal men. In: Male Hypogonadism: basic, clinical and therapeutic principles. SJ Winters (ed) Humana Press Inc, Totowa, NJ Chapt 18 pp351-367, 2003
110. Wang C, Swerdloff RSS. Androgen pharmacology and delivery systems. In Contemporary Endocrinology, Androgens in Health and Disease. WJ Bremner and CJ Bagatell (eds). Humana Press Inc: Totowa, NJ pp 141-153, 2003
111. Swerdloff RS, Wang C. Testosterone Replacement Therapy. In: Mechanisms in Andropause, Interactive animated medical education CD ROM. Jerald Bain, MD (ed) sponsored by Organon Canada Ltd. Publishers Mechanisms in Medicine, Inc., Chapt 11 pp 173-195, 2003
112. Swerdloff RS, Kandeel, F Wang C. Sexual Function and Androgen. Encyclopedia of Endocrine Diseases, 4 pp 229-231, 2004
113. Swerdloff RS, C Wang: Androgens and the Ageing Male. In: Best Practice & Research Clinical Endocrinology & Metabolism Michael Thorner (guest ed). Elsevier Ltd vol 18 No 3 pp 349-362, 2004
114. Simpson, JL, JM Graham, C Samango-Sprouse, RS Swerdloff.: Klinefelter syndrome. In: Management of genetic syndromes, 2<sup>nd</sup> Ed (S.B. Cassidy, JE Allanson, Eds) Wiley-Liss, Hoboken, New Jersey, pp323-333, 2005
115. Sinha Hikim AP, RS Swerdloff, C Wang: The Testis. In: Endocrinology Basic and clinical principles. Melmed S and Conn M (eds), Humana Press Inc., Totowa, NJ, pp 405-418. 2005
116. Salameh, WA, RS Swerdloff. Conditions Affecting Sertoli Cells. In: The Sertoli Cell (Ed: Skinner MK, Griswold MD) Elsevier Academic Press, Inc. pp 383- , 2005
117. Liu P, RS Swerdloff, C Wang. Relative testosterone deficiency in older men: clinical definition and presentation. Aging and the neuroendocrine system In: Endocrinol and Metab Clin of N Am. Ed Joe Rusko. 34:957-972. 2005.

118. Swerdloff RS, C Ng: Gynecomastia: etiology, diagnosis, and treatment. In: EndoText online text book [www.endotext.org](http://www.endotext.org), 2006
119. Swerdloff RS, GR Cunningham, AT Guay, C Wang. Testosterone deficiency in men evidenced-based protocols for effective therapy. A supplement to Renal & Urology News. December, 2006
120. Swerdloff RS and C Wang. Clinical Evaluation of Leydig Cell Function. In Leydig Cell in Health and Disease. Payne AH and Hardy MP edited. Humana Press Inc: Totowa, NJ chapt 30 2007
121. Swerdloff, R.S., C. Wang: Causes of Male Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA., 2007
122. Swerdloff, R.S., C. Wang: Treatment of Male Infertility In: UpToDate, Rose, B.D. (Ed) UpToDate, Wellesley, MA., 2007
123. Swerdloff, R.S., C. Wang: Diagnosis of Infertility In: UpToDate, 1998, Rose, B.D. (Ed) UpToDate, Wellesley, MA., 2007
124. Liu PY, Gooren LJG, Handelsman DJ. Impact of Systemic Disease on Male Sexual Dysfunction In: Kandeel FR, Swerdloff R, Pryor J eds. Male Sexual Dysfunction: Pathophysiology and treatment. New York: Informa Healthcare USA. Chapter 30: 155-176 2007.
125. Visootsak J, JM Graham, C Samango Sprouse, RS Swerdloff, JL Simpson: Klinefelter Syndrome in Cassidy S. B. Allanson J.E (eds) Management of Genetic Syndromes 3<sup>rd</sup> Edition, Wiley-Liss Hoboken New Jersey, 2008

#### **J. BOOK CHAPTERS (IN PRESS)**

#### **K. BOOK CHAPTERS (SUBMITTED)**

1. Swerdloff RS, V Mahabadi: Male reproductive disorders in adults. In: Manual of Endocrinology and Metabolism, N. Lavin (ed), Little Brown and Co., 2007
2. Swerdloff, RS: Handbook of Andrology Second Edition (ed) Robaire B and Chan P 2008

#### **L. EDITORIALS**

1. Plymate, S.R. and R.S. Swerdloff: Androgens, Lipids and Cardiovascular Risk. Ann Int Med 117:871-872, 1992
2. Swerdloff, RS, C Wang: Androgens, estrogens and bone in men In: The association of hypogonadism and estradiol levels with bone mineral density in elderly men: The Framingham Study. Annals of Internal Medicine, 133(12)1002-1004. 2000
3. Swerdloff, RS, C Wang: Should the Nonaromatizable Androgen Dihydrotestosterone Be Considered as an Alternative to Testosterone in the Treatment of the Andropause? JCEM 87(4)pp 1462-1465, 2002
4. Liu PY, Wang C, Swerdloff RS. Editorial. Male sex matters. Clinical Endocrinology 2005: 63:601-2



5. Wang C, P Christenson, RS Swerdloff: Transient scrotal hyperthermia and levonorgestrel enhance testosterone induced spermatogenesis suppression in men through increased germ cell apoptosis. J Clin Endocrinol Metabol 2007
6. Wang C, P Christenson, RS Swerdloff: Clinical relevance of racial and ethnic differences in sex steroids. J Clin Endocrinol Metab. 2007 Jul;92(7):2433-5.
7. Swerdloff RS, Should hypogonadal men who are suboptimally responsive to testosterone gel switch to another gel preparation? (Original article Grober: Efficacy of changing testosterone gel preparations AndroGel and Testim among suboptimally responsive hypogonadal men.) Nature Clinical practice Urology Vol 5 No 4 pgs 190-191, 2008
8. Swerdloff RS, C Wang: Free Testosterone measurement by the analog displacement direct assay: old concerns and new evidence. Clin Chem. 54(3):458-460 2008

#### **M. BULLETINS**

1. Proceedings of the Endocrine Society Andropause Consensus Conferences 2000-2001. Swerdloff RS, Cunningham G et al, April, 2001
2. Clinical Bulletins in Andropause; Hypogonadism: Diagnosis, Consequences and New Treatment Strategies. EDU-Medical Management. November, 2001
3. Excerpts From Patient's Guide to Low Testosterone. The Hormone Foundation. Cunningham, GR Matsumoto AM and Swerdloff, RS (eds) 2003
4. Tenth Summit Meeting Consensus: Recommendations for Regulatory Approval for Hormonal Male Contraception. International Journal of Andrology Blackwell Publishing Ltd 30:63-64 2007
5. Tenth Summit Meeting Consensus: Recommendations for Regulatory Approval for Hormonal Male Contraception. American Society of Andrology, Inc. 28(3): 362-363

#### **N. BOOKS**

1. Santen, R.J. and R.S. Swerdloff (eds): Male Sexual Dysfunction, Marcel Dekker, Inc., New York, 1986.
2. Santen, R.J. and R.S. Swerdloff (eds): Androgen Therapy: Biologic and Clinical Consequences, Penn State College of Medicine, Hershey, 1990.
3. Nieschlag, E., C. Wang, D.J. Handelsman, R.S. Swerdloff and F.C.W. Wu (Advisors): Guidelines for the use of androgens in men. World Health Organization, Geneva, 1992.
4. Bhasin, S., H. Gabelnick, J. Spiler, R.S. Swerdloff, C. Wang (eds), Biology, Pharmacology and Clinical Applications of Androgens, Wiley-Liss, New York, New York, 1996.
5. Male Sexual Dysfunction Pathophysiology and Treatment Kandeel FR, Lue TF, Pryor JL, Swerdloff RS (eds) Informa Healthcare USA, Inc NY NY 2007
6. Swerdloff RS, C Wang: Male Hypogonadism In: Male Reproductive Dysfunction Pathophysiology and Treatment. Kandeel FR, Swerdloff RS, Pryor JL (eds) Informa Healthcare USA, Inc NY NY Chap 12 pp 143-160, 2007

7. Swerdloff RS: Androgen Replacement Therapy In: Male Reproductive Dysfunction Pathophysiology and Treatment. Kandeel FR, Swerdloff RS, Pryor JL (eds) Informa Healthcare USA, Inc NY NY Chap 29 pp 333-336, 2007
8. Wang C, RS Swerdloff: Progress in Male Contraception. In: Male Reproductive Dysfunction Pathophysiology and Treatment. Kandeel FR, Swerdloff RS, Pryor JL (eds) Informa Healthcare USA, Inc NY NY Chap 31 pp 349-357, 2007
9. Swerdloff RS, J Ng, FR Kandeel: Gynecomastia In: Male Reproductive Dysfunction Pathophysiology and Treatment. Kandeel FR, Swerdloff RS, Pryor JL (eds) Informa Healthcare USA, Inc NY NY Chap 42 pp 519-528, 2007

## **O. ABSTRACTS**

1. Swerdloff, R.S., R. Andreas and T. Pozefsky: Decline in response to intravenous tolbutamide with age. Gerontologist 5:32, 1965.
2. Tobin, J.D., R.S. Swerdloff and R. Andreas: G.I. insulin stimulating factor in man: Plasma insulin response to oral and IV glucose at controlled arterial glucose concentrations. Clin. Res. 14:478, 1966.
3. Odell, W.D. and R.S. Swerdloff: Progesterone-induced LH and FSH surge in postmenopausal women: A stimulated ovulatory peak. Clin. Res. 16:149, 1968.
4. Swerdloff, R.S., D.R. Mishell and W.D. Odell: Oral contraceptives: Effect on serum LH and FSH. Clin. Res. 17:110, 1969.
5. Tobin, J.D., R. Andreas and R.S. Swerdloff: Sensitivity of beta cells to programmed hyperglycemia in man: Effect of age. Diabetes 18:332, 1969.
6. Andreas, R., T. Pozefsky, R.S. Swerdloff and J.D. Tobin: Servo-control of blood glucose concentration in man: The glucose-clamp technique. Diabetes 18:343, 1969.
7. Swerdloff, R.S., P.C. Walsh, R.R. Fortin, E. Santos and W.D. Odell: feedback control of luteinizing hormone (LH) and follicle stimulating hormone (FSH) in the male. Clin. Res. 18:125, 1970.
8. Swerdloff, R.S., G. Kantor and S.G. Korenman: Gonadotropin dissociation in uremic gynecomastia: High plasma LH, low FSH and normal estradiol. Clin. Res. 18:172, 1970.
9. Swerdloff, R.S., P.C. Walsh, H.S. Jacobs and W.D. Odell: Control of gonadotropins in the prepubertal rat. Clin. Res. 18:373, 1970.
10. Walsh, P.C., R.S. Swerdloff and W.D. Odell: Antiandrogen: Effect on serum LH and FSH in rats and humans. Clin. Res. 18:375, 1970.
11. Swerdloff, R.S. H.S. Jacobs and W.D. Odell: The ovarian signal inducing the preovulatory LH-FSH surge. Program for Endocrine Society, 1970.
12. Walsh, P.C., R.S. Swerdloff and W.D. Odell: Feedback control of FSH in the male: Role of estrogen. Program for Endocrine Society, 1970.
13. Swerdloff, R.S., G. Kantor and S.G. Korenman: Gynecomastia of hemodialysis: Considerations of

- pathogenesis. Program of ASCI, 62nd Annual Meeting, 1970.
14. Odell, W.D., R.S. Swerdloff and H.S. Jacobs: One mechanism of sexual maturation: An increase in gonadal sensitivity to gonadotropin stimulation. Clin. Res. 19:173, 1971.
  15. Jacobs, H.S., W.D. Odell and R.S. Swerdloff: Feedback control of FSH and LH: Effect on sexual maturation. Clin. Res. 19:202, 1971.
  16. Abraham, G.E., R.S. Swerdloff, D. Tulchinsky and W.D. Odell: Radioimmunoassay of plasma progesterone and 17-hydroxyprogesterone. Clin. Res. 19:123, 1971.
  17. Odell, W.D., R.S. Swerdloff and H.S. Jacobs: One mechanism for control of puberty. Program for Soc. for ped. Res., Program for Am. Soc. Clin. Invest., 1971.
  18. Abraham, G.E., W.D. Odell, R.S. Swerdloff and K. Hopper: Simultaneous radioimmunoassay of plasma progesterone (P), 17-hydroxyprogesterone (17-OPH), estradiol (E-2), LH and FSH during the menstrual cycle. Prog. for the Endocrine Society, 1971.
  19. Walsh, P.C., R.S. Swerdloff and W.D. Odell: Cyproterone: Effect of Gonadotropins. Prog. for the Society for the Study of Reproduction, Symposium Suppl., Biology of Reproduction, 1971.
  20. Swerdloff, R.S., P.K. Grover and M. Peterson: Role of 5 $\alpha$ -androstane-3 $\beta$ , 17 $\beta$ -diol as a stimulator of puberty, 1971.
  21. Swerdloff, R.S., P.K. Grover and M. Peterson: Role of 5 $\alpha$ -androstane-3 $\beta$ , 17 $\beta$ -diol as a stimulator of puberty. Clin. Res. 20: 1972.
  22. Odell, W.D., R.S. Swerdloff, F. Wollesen and P.K. Grover: The effect of sexual maturation on testicular sensitivity to LH stimulation. Clin. Res. 21:203, 1973.
  23. Batt, R.A.L., G.A. Bray and R.S. Swerdloff: Evidence for inadequate release of LHRH in the obese hyperglycemic mouse. Clin. Res. 21:249, 1973.
  24. Swerdloff, R.S. and P.K. Grover: Search for inhibin-like effect of steroids and prostaglandins on serum FSH. Clin. Res. 21:256, 1973.
  25. Bray, G.A., S. Siduddin, D.A. York and R.S. Swerdloff: Reproductive function in the genetically obese rat "Fatty". Endocrinology Suppl. 92: A-270, 1973.
  26. Odell, W.D. and R.S. Swerdloff: FSH modulation of sensitivity to LH Stimulations of testosterone (T) secretion: Role in sexual maturation. Endocrinology Suppl. 92:A-93, 1973.
  27. Swerdloff, R.S., K. Javidi, V. Ettinger, M. Peterson and W.D. Odell: Serum FSH during sexual maturation: Response to LRH in the rat model. Clin. Res. 22:119A, 1974.
  28. Wollesen, F., R.S. Swerdloff, M. Peterson and W.D. Odell: Testosterone (T) modulation of pituitary response to LRH: Differential Effects on LH and FSH. Clin. Res. 22:119A, 1974.
  29. Swerdloff, R.S. And P.C. Walsh: Infertility and varicocele: Hormonal factors. Clin. Res. 22:168A, 1974.
  30. Wollensen, F., R.S. Swerdloff and W.D. Odell: Dose response to luteinizing releasing hormone (LRH) bolus injection and prolonged infusion in normal human males. Clin. Res. 22:169A, 1974.

31. Wollensen, F., R.S. Swerdloff and W.D. Odell: Dose response to luteinizing releasing hormone (LRH) bolus injection and prolonged infusion in normal human males. Prog. of the 56th Annual Meeting of the Endocrine Society, 1974, p. 82.
32. Pirke, K.M., W.D. Odell, R.S. Swerdloff and D. Fisher: Prolactin, luteinizing hormone (LH) and follicle stimulating hormone (FSH) in boys and girls undergoing puberty. Clin. Res. 22:214A, 1974.
33. Fiser, R.F., G.A. Bray, R.E. Carrel, L.J. Stites, A.H. Cohen, R.S. Swerdloff and W.D. Odell: Evidence for hypothalamic-pituitary dysfunction in the Prader-Willi syndrome. Soc. of Ped. Res. 8:94, 1974.
34. Silberstein, S., G.A. Bray and R.S. Swerdloff: Hypothalamic function in long term dietary induced obesity in rats. Prog. of the 56th Annual Meeting of the Endocrine Society, 1974, p. 132.
35. Swerdloff, R.S. and P.C. Walsh: Pituitary and gonadal hormones in subfertile patients with varicocele. Pacific Coast Fertility Society, 1974.
36. Kikuchi, T., R. Skowsky, I. Eltoraei and R.S. Swerdloff: The pituitary-gonadal axis in spinal cord injury. Clin. Res. 23:93A, 1975.
37. Swerdloff, R.S., R.A. Batt, V. Ettinger, M. Peterson, R. Leong and G.A. Bray: Hypothalamic-pituitary origin of hypogonadism in the obese mouse. Clin. Res. 23: 96A, 1975.
38. Vera, A., R.S. Swerdloff, F. Wollesen and W.D. Odell: Steroid modulation of pituitary response to LRH. Pacific Coast Fertility Society, 1974.
39. Swerdloff, R.S., R.A. Batt, A. Vera, V. Ettinger, M. Peterson and R. Leong: Hypothalamic-pituitary origin of hypogonadism in the obese mouse. Program of the Endocrine Society, 1975.
40. Odell, W.D. and R.S. Swerdloff: Testicular sensitivity to LH stimulation of testosterone production: A major mechanism for sexual maturation in the rat. Pacific Coast Fertility Society, 1973.
41. Odell, W.D., R.S. Swerdloff and F. Wollesen: Selected aspects of the control of CNS-pituitary-ovarian axis. Serone Symposia, Univ. of Florence, Italy, April, 1975.
42. Odell, W.D. and R.S. Swerdloff: Induction of testicular responsiveness to LH by growth hormone and FSH: Specificity and interaction. Pacific Coast Fertility Society, 1975.
43. Kikuchi, T., R. Skowsky, I. Eltoraei and R.S. Swerdloff: The pituitary-gonadal axis in spinal cord injury. Pacific Coast Fertility Society, 1975.
44. Swerdloff, R.S., R.A. Batt, V. Ettinger and G.A. Bray: Hypothalamic-pituitary origin of hypogonadism in the obese mouse. Clin. Res. 23: 1975.
45. McClure, R.D., M. Peterson, G.A. Bray and R.S. Swerdloff: Effect of replacement of deficient pituitary hormones on the hypogonadism of the ob/ob mouse. Clin. Res. 24: 100A, 1976.
46. Kalland, G.A., A Vera and R.S. Swerdloff: Reproductive hormonal axis in experimental hypothyroidism. Clin Res. 24: 143A, 1976
47. Swerdloff, R.S. and W.D. Odell: Induction of testicular response in LH by growth hormone. Clin. Res. 24: 145A, 1976.
48. Glass, A.R., R. Harrison, G.A. Bray and R.S. Swerdloff: Effect of body weight, growth rate and amino acid

- deficiency on timing of puberty in rats. Clin. Res. 24: 167A.
49. Glass, A.R., W.T. Dahms, R.L. Atkinson, G.A. Bray and R.S. Swerdloff: Reproductive hormones in massively obese men. Pacific Coast Fertility Society, 1976.
  50. McClure, R.D., A. Palacios, S.A. Brosman and R.S. Swerdloff: Suppression of spermatogenesis in normal subjects with testosterone enanthate (TE). A potential contraceptive agent. Clin. Res. 25: 149A, 1977.
  51. Glass, A.R., R.S. Swerdloff, W.T. Dahms and R.L. Atkinson: Low serum testosterone (T) and sex-hormone-binding-globulin (SHBG) in massively obese men. Clin. Res. 25: 103A, 1977.
  52. Glass, A.R., R.S. Swerdloff, W.T. Dahms and R.L. Atkinson: Low serum testosterone (T) and sex-hormone-binding-globulin (SHBG) in massively obese men. Program of the Endocrine Society Meeting, 1977.
  53. Haider, M. and R.S. Swerdloff: A radioimmunoassay for serum estradiol without chromatography using commercially available antisera. Program for the American Association for Clinical Chemistry, 1977.
  54. McClure, R.D., R.S. Swerdloff, A. Palacios, L.A. Campfield and S.A. Brosman: Chronic Testosterone Treatment of normal men: Suppression and rebound. Pacific Coast Fertility Society, 1977.
  55. McClure, R.D., R.S. Swerdloff and M. Peterson: Gonadotropin therapy failure secondary to hCG induced antibodies. Pacific Coast Fertility Society, 1977.
  56. Palacios, A., R.S. Swerdloff, R.D. McClure and L.A. Campfield: Effect of androgens on erythropoiesis in normal men. Pacific Coast Fertility Society, 1977.
  57. Glass, A.R., Mellitt, K.D., Burman, R.S. Swerdloff, L. Wartofsky and D.A. Fisher: Effect of dietary composition on serum thyroxine (T4) and triiodothyronine (T3) in rats. Clin. Res. 26: 99A, 1978.
  58. Palacios, A., R.D. McClure, L.A. Campfield and R.S. Swerdloff: Chronic administration of testosterone to normal men. Res. 26: 108A, 1978.
  59. Swerdloff, R.S., R.D. McClure and M. Peterson: Gonadotropin therapy failure secondary to hCG induced antibodies (Ab). Clin. Res. 26: 149A, 1978.
  60. Raum, W.J., A.R. Glass and R.S. Swerdloff: The role of hypothalamic catecholamines in the process of sexual maturation in the female Wistar rat. Clin. Res. 26: 17A, 1978.
  61. Peterson, M. and R.S. Swerdloff: A rapid separation of bound from free hormone in the radioimmunoassay of hLH and hFSH. Clinical Radiosassay Society, 1978.
  62. Swerdloff, R.S., A. Palacios and L.A. Campfield: Pharmacokinetics of a commonly used androgen (Testosterone Enanthate (TE): Insights into dose regimens. Pacific Coast Fertility Society, 1978.
  63. Swerdloff, R.S., A. Palacios and L.A. Campfield: Reversible effects of testosterone treatment on testes size. Pacific Coast Fertility Society, 1978.
  64. Swerdloff, R.S., A. Palacios, R.D. McClure and L.A. Campfield: Hypergonadotropism after chronic suppression of LH and FSH by testosterone enanthate (TE). Clin. Res. 27: 1979.
  65. Swerdloff, R.S., A. Palacios and L.A. Campfield: Pharmacokinetics of a commonly used androgen: Insights into dose regimens. Clin. Res. 27: 238A, 1979.

66. Swerdloff, R.S., L.A. Campfield, A. Palacios and R.D. McClure: Rebound hypergonadotropism after chronic suppression of LH and FSH by testosterone enanthate (TE). Program of The Endocrine Society Meeting, 1979.
67. Sokol, R.Z., R.S. Swerdloff, R.D. McClure and M. Peterson: Gonadotropin therapy failure secondary to hCG induced antibodies (Ab). 6th International Congress of Endocrinology, Melbourne, Australia, 1980.
68. Kalland, G.A. and R.S. Swerdloff: Reproductive hormonal axis in hypothyroid and food restricted male rats. 6th International Congress of Endocrinology, 1980.
69. Raum, W.J. and R.S. Swerdloff: Catecholamine receptors and androgenization of the female rat brain. 6th International Congress of Endocrinology, 1980.
70. Raum, W.J. and R.S. Swerdloff: Inhibition of androgenization of the female rat brain by alteration in hypothalamic norepinephrine. Clin. Res. 28: 71A, 1980.
71. Heber, D. and R.S. Swerdloff: Synergism between testosterone and a superactive GnRH analog in suppression of gonadotropin secretion, Clin. Res. 28: 24A, 1980.
72. Sokol, R.Z., A. Palacios, L.A. Campfield, C. Saul and R.S. Swerdloff: Pharmacokinetics of testosterone enanthate (TE) in normal and hypogonadal men. Clin. Res. 28: 26A, 1980.
73. Campfield, L.A., C. Saul, R.Z. Sokol, A. Palacios and R.S. Swerdloff: The effect of chronic administration of testosterone enanthate on the glucose tolerance of normal men. Clin. Res. 28: 47A, 1980.
74. Peterson, M. and R.S. Swerdloff: Molecular heterogeneity of LH-like activity in the serum of uremic and nonuremic hypogonadal patients. Clin. Res. 28: 71A, 1980.
75. Sokol, R.Z., A. Palacios, L.A. Campfield and c. Saul: Pharmacokinetics of testosterone enanthate (TE) in normal and hypogonadal men. Program of the Endocrine Society Meeting, 1980.
76. Raum, W. J. and R.S. Swerdloff: Inhibition of androgenization of the female rat brain by alterations in hypothalamic hypothalamic norepinephrine. Program of the Endocrine Society, 1980.
77. Raum, W.J. and R.S. Swerdloff: Catecholamine receptors and androgenization of the female rat brain. Pacific Coast Fertility Society, 1980.
78. Ashby, C.D., H.C. Danzer and R.S. Swerdloff: Validation of estrogen RIA and its use for monitoring pergonal therapy. Clin. Chem. 26: 960, 1980.
79. Marcano, M., W. Raum and R.S. Swerdloff: Beta adrenergic inhibition of aromatization in the female neonatal rat hypothalamus. Clin. Res. 29: 84A, 1981.
80. Sokol, R.Z., C. Saul, L.A. Campfield, W. Raum, J. Chu and R.S. Swerdloff: Testosterone enanthate: Tracer kinetics. Clin. Res. 29: 85A, 1981.
81. Heber, D. and R.S. Swerdloff: Synergistic inhibition of spermatogenesis with combined GnRH analog and testosterone treatment. Clin. Res. 29: 27A, 1981.
82. Heber, D. and R.S. Swerdloff: Pituitary GnRH receptor down-regulation secondary to chronic superactive GnRH analog treatment. Clin. Res. 29: 27A, 1981.
83. Marcano, M., W. Raum and R.S. Swerdloff: Beta agonist inhibition of neonatal rat hypothalamic

- aromatization and reversal by a beta antagonist. Program of The Endocrine Society, 1981.
84. Sokol, R.Z., C. Saul, L.A. Campfield, J. Chu, W. Raum and R.S. Swerdloff: Testosterone enanthate: Tracer kinetics. Program of The Endocrine Society, 1981.
85. Sokol, R.Z., C.Saul, L.A. Campfield, J. Chu, W. Raum and R.S. Swerdloff: Testosterone enanthate kinetics: Compartmental modeling. Pacific Coast Fertility Society, 1981, Annual Meeting.
86. Swerdloff, R.S.: Puberty: The integration of a hormonal system.
87. Heber, D., R. Dodson, R.S. Swerdloff, K. Channabassaviah and J.M. Stewart: Inhibition of pituitary GnRH receptor binding mediates acute GnRH antagonist inhibition of gonadotropin secretion. Clin. Res. 30: 30A, 1982.
88. Bhasin, S., D. Heber, B. Steiner and R.S. Swerdloff: Characterization of the stimulatory and inhibitory effects of superactive GnRH agonist in the human male. Clin. Res. 30: 88A, 1982.
89. Raum, W.J. and R.S. Swerdloff: Hypothalamic norepinephrine turnover in the sexually maturing male Wistar rat. Clin Res. 30: 90A, 1982.
90. Raum, W.J., D. Garner, M.M. Laks and R.S. Swerdloff: Norepinephrine induced myocardial hypertrophy and glucose homeostasis. FASEB 1982 Annual Meeting, New Orleans, LA, April, 1982.
91. Bhasin, S., D. Heber, B. Steiner, M. Peterson and R.S. Swerdloff: Enhanced inhibition of gonadotropin secretion in man by combined GnRH agonist and testosterone. Program of The Endocrine Society Annual Meeting, 1982.
92. Heber, D., R. Dodson, R.S. Swerdloff, K. Channabassaviah and J.M. Stewart: Pituitary receptor site blockade mediates prolonged GnRH antagonist action in vivo and in vitro. Program of The Endocrine Society Annual Meeting, 1982.
93. Ashby, C.D. and R.S. Swerdloff: Free testosterone assay: Validation and clinical correlation with hirsutism. American Association for Clinical Chemistry, 1982.
94. Rajfer, J., R.S. Swerdloff and D. Heber: Pharmacokinetics of Leuprolide (D-Leu<sup>6</sup>, des-Gly<sup>10</sup>-GnRH ethylamide) therapy in patients with prostatic cancer. American Fertility Society, 1983.
95. Sokol, R.Z., M. Peterson, D. Heber and R.S. Swerdloff: GnRH-like material in human seminal plasma. Pacific Coast Fertility Society, 1982.
96. Rajfer, J., R.S. Swerdloff and D. Heber: The pituitary gland is the primary site of action of GnRH agonist (D-leu<sup>6</sup>desGly<sup>10</sup>GnRH ethylamide) in the male. Pacific Coast Fertility Society, 1982.
97. Heber, D., S. Bhasin, R.S. Swerdloff: Extrapituitary effects of GnRH agonist and testicular GnRH-like peptide. International Conference on Male Fertility and its Regulation. Hawaii, October, 1982.
98. Heber, D., J.M. Stewart and R.S. Swerdloff. GnRH analogs in the male. Presented at the International Symposium on Male Contraception 1982, Maui, Hawaii, October, 1982. Arch. Androl. 9771, 1982.
99. Bhasin, S., D. Heber, B. Steiner, M. Peterson and R.S. Swerdloff: Hormonal effects of GnRH agonist in the human male: II. Testosterone enhances gonadotrophin suppression induced by GnRH agonist. Clin. Res. 31: 24A, 1983.

100. Nowak, F.V., D. Heber and R.S. Swerdloff: Stimulation of GnRH release by norepinephrine (NE) utilizing a dynamic in vitro system. Clin. Res. 31: 085A, 1983.
101. Bhasin, S., D. Heber, M. Peterson and R.S. Swerdloff: Partial isolation and characterization of GnRH-like testicular factors. Clin. Res. 31: 83A, 1983.
102. Raum, W.J. and R.S. Swerdloff: Age-related and testosterone (T) dependent effect of omethyl-p-tyrosine (AMPT) on gonadotropin secretion. Clin. Res. 31: 026A, 1983.
103. Sokol, R.Z., C. Madding and R.S. Swerdloff: The split ejaculate: Assessment of fertility potential using the zona-free hamster assay. Clin. Res. 31: 27A, 1983.
104. Sokol, R.Z., M. Peterson, D. Heber, C. Madding and R.S. Swerdloff: GnRH-like material in seminal plasma. Clin. Res. 31: 27A, 1983.
105. Heber, D., R.S. Swerdloff, B. Steiner and J. Rajfer. The pituitary gland primary site of action of gonadotropin-releasing hormone agonists in the human male. Presented at the Western Section, AFCR, Carmel, CA 1983. Clin. Res. 31: 24A, 1983.
106. Nowak, F.V. and R.S. Swerdloff: Stimulation of GnRH release by norepine-phrine (NE) utilizing a dynamic in vitro system. Program of The Endocrine Society Annual Meeting, 1983.
107. Bhasin, S., M. Peterson and R.S. Swerdloff: Testicular GnRH-like peptides: partial isolation and characterization of in vitro biosynthesis by rat testis. Program of The Endocrine Society Annual Meeting, 1983.
108. Bhasin, S., R. Robinson, M. Peterson, B.S. Steiner, D. Handelsman, J. Rajfer, D. Heber and R.S. Swerdloff: Molecular heterogeneity and biologic activity of luteinizing hormone after gonadotropin-releasing hormone agonist treatment. Fertility and Sterility, Vol. 42, 2: 318-319, 1984.
109. Bhasin, S., M. Peterson, B.S. Steiner, R.S. Swerdloff: Enhanced suppression of gonadal function by constant infusion of GnRH agonist in the human male: A potential approach towards male contraception. 7th International Congress of Endocrinology, Quebec, Canada, June 1984.
110. Sikka, S.C., R.S. Swerdloff, and J. Rajfer: Gonadotropin releasing hormone analog treatment and its involvement in testicular steroidogenesis. Clinical Research, 32, 222A, 1984.
111. Rajfer, J., R.S. Swerdloff and S.C. Sikka: Effect of chronic gonadotropin-releasing hormone agonist therapy on testicular steroidogenesis. Fertility and Sterility, 42, 325, 1984.
112. Rajfer, J., R.S. Swerdloff, and S.C. Sikka: Mechanism of action of ketoconazole on testosterone biosynthesis. First place, Joseph F. McCarthy Essay Competition, American Urological Association, Western Section, p24, 1984.
113. Jarjour, L., D.J. Handelsman, W.J. Raum and R.S. Swerdloff: The effect of dopamine (DA) on the in vitro release of gonadotropin releasing hormone and its mechanism of action. Clinical Research 32: 27A, 1985.
114. Jarjour, L., J. Rajfer, B. Steiner, A. Crum, M. Peterson and R.S. Swerdloff: Sustained suppression of testicular steroidogenesis by a potent GnRH-agonist in patients with prostatic carcinoma. Clinical Research 33: 94A, 1985.
115. Sikka, S., R.S. Swerdloff and J. Rajfer: Ketoconazole inhibits testosterone biosynthesis in the testis by affecting steroidogenic enzymes. Clinical Research 33: 30A, 1985.



116. Sikka, S.C., F. Rivera, R.S. Swerdloff and J. Rajfer: Ketoconazole inhibits directly cytochrome P-450 associated enzyme activities to block testosterone biosynthesis in the rat testis. *Federation Proceedings*, 44, 846, 1985.
117. Rajfer J, H. W. Xie, R.S. Swerdloff and S.C. Sikka: Intratesticular steroids in rat testis exposed to ketoconazole. *Fertility and Sterility* 43, 1985.
118. Bhasin S., S.C. Sikka, J. Rajfer, and R.S. Swerdloff: Ontogenesis of testicular steroidogenic enzymes in relation to sexual maturation in the male rat. *Fertility Sterility* 43, 1985.
119. Bhasin, S., H. Dichek, D. Handelsman, B. Steiner, M.A. Peterson, J. Rajfer, R. Robinson and R.S. Swerdloff: Mechanisms of antigonadal action of GnRH agonist in the human male. *Clinical Research* 33: 92A, 1985.
120. Bhasin, S., S. Sikka, J. Rajfer, T. Fielder, U. Sod-Moriah, R.S. Swerdloff: Hormonal effects of ketoconazole in the male rat. *Clinical Research* 33: 24A, 1985.
121. Bhasin, S., T. Fielder and R.S. Swerdloff: Evidence that testes modulate gonadotropin response to GnRH-agonist treatment. *Clinical Research* 33: 24A, 1985.
122. Sokol, R.Z., B.S. Steiner, G.D. Peterson, M. Bustillo and R.S. Swerdloff: Mechanism of action of chronic clomiphene citrate (CC) treatment on the hypothalamic-pituitary-testicular axis in oligospermic men. *Clinical Research* 33: 30A, 1985.
123. Rajfer, J., H.W. Xie, R.S. Swerdloff, S.C. Sikka: Effect of in vitro ketoconazole on intratesticular steroid concentrations. *American Urological Association, Inc. Annual Meeting, Atlanta, Georgia, May 1985.*
124. Steiner, B.S., S. Bhasin, R.S. Swerdloff: Suppression of spermatogenesis by constant infusion of GnRH agonist and androgen in the human male. *The American Fertility Society Annual Meeting, Chicago, Illinois, September 27- October 2, 1985.*
125. Handelsman, D.J., J. Rajfer, R.s. Swerdloff: Pharmacokinetics of gonadotropin-releasing hormone (GnRH): Bioavailability and modeling of intranasal (IN) Compared with subcutaneous (SC) and Intravenous (IV) routes. *The American Fertility Society, Chicago, Illinois, September 27- October 2, 1985.*
126. Simon, J.A., M.V. Sauer, U. Sod-Moriah, R.S. Swerdloff: Effects of semen density and volume on sperm distribution in the rabbit female reproductive tract. *The American Fertility Society, Chicago, Illinois, September 27- October 2, 1985.*
127. Rajfer, J., J. Krantz, S. Bhasin, R.S. Swerdloff and S.C. Sikka: Ontogeny of testosterone biosynthetic enzymes. *3rd International Forum of Andrology, Paris, France, June 18-19, 1985.*
128. Bhasin, S., J.S. Louie and R.S. Swerdloff: Enrichment of rat pituitary gonadotropes by centrifugal elutriation. *Pacific Coast Fertility Society, 1985.*
129. Sikka S.C., R.S. Swerdloff, F. Rivera, and J. Rajfer: Effect of GnRH agonist on human testicular steroidogenesis. *Clinical Research* 34, 94A, 1986.
130. Bhasin, S., B.S. Steiner and R.S. Swerdloff: Enhanced suppression of spermatogenesis by constant infusion of a GnRH agonist and androgen in man: A potential approach toward male contraception. *Clinical Research* 34, 92A, 1986.
131. Sikka S.C., S. Bhasin, R.S. Swerdloff, M.A.Koyle and J. Rajfer: Testosterone modulates the effects of

- cyclosporine on serum LH secretion in male rats. Pacific Coast Fertility Society meeting, Palm Springs, CA 1987.
132. Yuan, Q.X., S.C. Sikka, S. Bhasin, J. Rajfer, R.S. Swerdloff: Direct effects of cyclosporine on pituitary LH secretion in the male rat. Pacific Coast Fertility Society, Palm Springs, CA 1987.
133. Kim, W.H., Q.X. Yuan, R.S. Swerdloff, S. Bhasin: GnRH does not increase synthesis of rat LH subunits in vitro. Pacific Coast Fertility Society, Palm Springs, CA 1987.
134. Raum, W.J., W.X. Yuan and R.S. Swerdloff: Hypothalamic dopamine activity regulates puberty onset. Clinical Research 35, 123A, 1987.
135. Sokol, R.Z., H. Okuda, P. Johnson and R.S. Swerdloff: Inhibition of sperm motility by an anti-human relaxin monoclonal antibody: videomicrographic analysis. Clinical Research 35, 123A, 1987
136. Sikka, S.C., R.S. Swerdloff and J. Rajfer: cyclosporine affects hypothalamus-pituitary-gonadal axis. Clinical Research 35, 123A, 1987.
137. Bhasin, S., B. Steiner, M. Peterson and R.S. Swerdloff: Hormonal effects of GnRH agonist in man: effects on LH subunit secretion and LH pulse-pattern. Clinical Research 35:181A, 1987.
138. Yuan, Q.X., S. Bhasin and R.S. Swerdloff: Differential regulation of rat luteinizing hormone alpha and beta subunits during stimulatory and downregulatory phases of GnRH action. Clinical Research 35, 124A, 1987.
139. Bhasin, S., W.H. Kim, Q.X. Yuan, R.S. Swerdloff: GnRH does not increase synthesis of rat LH subunits. The Laurentian Hormone Conference, Montebello, Quebec, Canada, August 23-28, 1987.
140. Sikka, S., S. Bhasin, R. Swerdloff, D. Coy, M. Koyle and J. Rajfer: Effect of cyclosporine on the hypothalamic-pituitary axis. The Second International Congress on Cyclosporine, Washington, D.C., November 4-7, 1987.
141. Kim, W.H., R.S. Swerdloff and S. Bhasin: Differential regulation of alpha and LH beta mRNAs during GnRH agonist treatment in the male rat. Clin. Res. 36: 123A, 1988.
142. Bhasin, S., W.H. Kim, B. Morelos, R.S. Swerdloff. Pretranslational regulation of inhibin alpha subunit gene expression by FSH in the male rat. In vivo and in vitro studies. Clin. Res. 36: 122A, 1988.
143. Jockenhovel, F., S. Bhasin, B.S. Steiner, R.S. Swerdloff. Inhibitory effects of a GnRH antagonist in man dose response studies. Clin. Res. 36: 181A, 1988.
144. Swerdloff, R.S., F. Jockenhovel, W. Salameh, B.S. Steiner, S. Bhasin. Use of GnRH agonists and antagonists in clinical trials. International Symposium on GnRH Analogues in Cancer and Human Reproduction, Geneva Switzerland, February 1988.
145. Kim, W.H., R.S. Swerdloff, B.S. Morelos and S. Bhasin. Effect of hypophysectomy and FSH replacement on inhibin subunit gene expression in the male rat. Pacific Coast Fertility Society meetings, Palm Springs, April 1988.
146. Kim, W.H., R.S. Swerdloff, and S. Bhasin. Regulation of alpha and LH beta mRNAs during GnRH agonist treatment in the male rat. Clin. Res. 36: 385A, 1988.
147. Kandeel, F.R., M. Wahe, R.S. Swerdloff: Opioid regulation of gonadotrophin release from estrogen-progesterone treated female rat pituitary cells. Clin. Res. 36: 123A, 1988.
148. Swerdloff, R.S.: Impotency and sexual dysfunction. II International Symposium on Recent Advances in

Research in Male Fertility Regulation and Infertility Management, Semarang, Indonesia, October 1988.

149. Swerdloff, R.S.: GnRH analogs - agonists and antagonists. Clinical applications in the male. II International Symposium on Recent Advances in Research in Male Fertility Regulation and Infertility Management, Semarang, Indonesia, October 1988.
150. Toppari, J., L.A. Krummen, W.H. Kim, R.S. Swerdloff, G.S. diZerega, N. Ling, F. Esch, S. Shimasaki and S. Bhasin: Expression of inhibin alpha and beta B subunits is stage dependent during the cycle of the rat seminiferous epithelium. Testis Workshop, December, 1988. Baltimore, MD.
151. Salameh, W., S. Bhasin, B.S. Steiner, M.A. Peterson, J.E. Rivier, W.W. Vale and R.S. Swerdloff: Marked suppression of gonadotropins and testosterone by a GnRH antagonist in man. Clin. Res. 37:152A, 1989.
152. Krummen, L.A., J. Toppari, J.A. Pascual, R.S. Swerdloff, B.S. Morelos, G.S. diZerega and S. Bhasin: Effects of experimental cryptorchidism on inhibin alpha and beta B subunit expression: Evidence for germ cell-sertoli cell interactions. Clin. Res. 37:108A, 1989.
153. Salameh, W., B.S. Steiner, M.A. Peterson and R.S. Swerdloff: Marked suppression of gonadotropins and testosterone (T) by antagonist analog of GnRH in man. The Endocrine Society Annual Program, Abst #1219, p 327, Seattle, WA, 1989.
154. Krummen, L.A., J. Toppari, R.S. Swerdloff, N. Ling, F. Esch, S. Shimasaki and S. Bhasin: Expression of inhibin alpha and beta-B subunit mRNAs in adult rat testis after hypophysectomy and replacement of FSH and/or testosterone. The Endocrine Society Annual Program, Abst #1591, p 420, Seattle, WA, 1989.
155. Salameh, W.A., S. Bhasin, B.S. Steiner, M.A. Peterson, L. McAdams and R.S. Swerdloff: Comparative effects of two different delivery systems on GnRH antagonist induced suppression of gonadotropins and testosterone in man. Clin. Res. 38:148A, 1990.
156. Bhasin, S., R.S. Swerdloff, N. Berman, B.S. Steiner, M.A. Peterson, M.R. Pandian, M. Galmarini and R. Goldberg: A testosterone microcapsule formulation provides sustained androgen delivery for 10-12 weeks in hypogonadal men. Clin. Res. 38:145A, 1990.
157. Kandeel, F.R., M.J. Gorrill, R.S. Swerdloff: Role of beta-endorphin in midcycle gonadotropin surge: Effect of gonadal steroids on beta-endorphin secretion from cultured pituitary cells. Clin. Res. 38:146A, 1990.
158. Krummen, L.A., B.S. Morelos, R.S. Swerdloff and S. Bhasin: Luteinizing hormone regulates testicular inhibin subunit mRNA expression in vivo. Clin. Res. 38:98A, 1990.
159. Tayek, J.A., D. Heber, L.O. Byerley, B.S. Steiner, J. Rajfer, R.S. Swerdloff: Nutritional and metabolic effects of GnRH agonist treatment for prostate cancer. Clin. Res. 38:130A, 1990.
160. Salameh, W., M.A. Peterson, B.S. Steiner, R.S. Swerdloff: Effect of improved assay sensitivity on luteinizing hormone pulse detection after GnRH antagonist treatment in man. Endocrine Society Annual Meeting, Atlanta, GA, Abst. #1372, p. 367, 1990.
161. Bhasin, S., R.S. Swerdloff, N. Berman, B.S. Steiner, M.A. Peterson, T. Meridores, M.R. Pandian, M. Galmirini, R. Goldberg: A biodegradable testosterone microcapsule formulation provides sustained androgen delivery for 10-12 weeks in hypogonadal men. Endocrine Society Annual Meeting, Atlanta, GA, 1990, Abst. #1041, p. 285, 1990.
162. Swerdloff, R.S., S. Bhasin, W. Salameh, L. Tom, M. Peterson and B. Steiner: Combined GnRH antagonist and testosterone enanthate for experimental male contraception. Gynecol. Endocrinol. 4:28, 1990.

163. Tom, L., S. Bhasin, W. Salameh, M. Peterson, B. Steiner and R.S. Swerdloff: Male contraception: Combined gonadotropin releasing hormone antagonist and testosterone enanthate. Clin. Res. 39:91A, 1991.
164. Kandeel, F.R., F. Buena, N. Berman, and R.S. Swerdloff: Effect of chronic opioid blockade on insulin resistance in polycystic ovarian disease. Clin. Res. 39:63A, 1991.
165. Kandeel, F.R., J. Villanueva-Mayer, I. Mena, N. Berman and R.S. Swerdloff: Effect of naloxone on solid gastric emptying and insulin secretion in polycystic ovarian disease and simple obesity. Clin. Res. 39:5A, 1991.
166. The androgen receptor gene in the rat penis during sexual maturation. American Society of Andrology, Montreal, Canada, April 27-30, 1991.
167. Kandeel, F.R., R.S. Swerdloff, N. Berman, J. Villanueva-Mayer and I. Mena: Acute opioid receptor blockade, solid gastric emptying, and insulin secretion in patients with polycystic ovarian disease. American Federation for Clinical Research, Seattle, WA, May 3-6, 1991.
168. Tom, L., W. Salameh, S. Bhasin, B. Steiner, M. Peterson and R.S. Swerdloff: Male contraception: Achievement of reversible azoospermia by combined gonadotropin releasing hormone antagonist and testosterone enanthate regimen. Program of The Endocrine Society 73rd Annual Meeting, Washington, D.C., 1991, p 319.
169. Kandeel F.R., F. Buena, N. Berman and R.S. Swerdloff: Role of opioids in insulin resistance of patients with polycystic ovarian disease: effect of chronic naltrexone treatment. Program of The Endocrine Society 73rd Annual Meeting, Washington, D.C., 1991, p 347.
170. Buena F., R.S. Swerdloff, B.S. Steiner, P.J. Lutchmansingh, M.A. Peterson, N. Berman, S. Bhasin: Testosterone dose-dependency of sexual function in normal men. Clin. Res. 40:93A, 1992.
171. Rodriguez, J.A., D. Vernet, A. Fuentes, R. Swerdloff, J. Rajfer, and N. from the corpora cavernosa of XX patients with congenital adrenal hyperplasia (CAH). Clin. Res. 40:48A, 1992.
172. Vernet, D., A. Fuentes, J.A. Rodriguez, R. Swerdloff, J. Rajfer, N. Gonzalez-Cadavid: Androgen receptor gene expression in smooth muscle cells from the corpora cavernosa of immature and adult rats. Clin. Res. 40:48A, 1992.
173. Freedman, A.L., J. Rajfer, R.S. Swerdloff, N. Gonzalez-Cadavid: The effect of PDGF on androgen receptor gene expression in smooth muscle cells from the corpora cavernosa of immature and adult rats. American Urological Association, 1992.
174. Rodriguez, J.A., D. Vernet, A. Fuentes, R. Swerdloff, J. Rajfer and N. Gonzalez-Cadavid: Androgen receptor gene expression in smooth muscle cells from the corpora cavernosa of XX patients with congenital adrenal hyperplasia (CAH). Journal of Andrology 57(S):37, 1992.
175. Vernet, D., A. Fuentes, J.A. Rodriguez, R. Swerdloff, J. Rajfer and N. Gonzalez-Cadavid: Androgen receptor gene expression in smooth muscle cells from the corpora cavernosa of immature and adult rats. Journal of Andrology 57(S):36, 1992.
176. Buena, F., R.S. Swerdloff, B.S. Steiner, P.J. Lutchmansingh, M.A. Peterson, N. Berman, M.R. Pandian, M. Galmirini, and S. Bhasin: Testosterone dose-dependency of sexual function in normal men. Pacific Coast Fertility Society, Indian Wells, CA, April 10-14, 1992.

177. Kung, A., R.S. Swerdloff, C. Wang, N. Berman, M.A. Peterson, B.S. Steiner, M.R. Pandian, M. Galmirini, S. Bhasin: Pharmacokinetics and pharmacodynamics of a testosterone microcapsule formulation in Los Angeles Caucasian and Hong Kong Chinese hypogonadal men. Endocrine Society, San Antonio, TX, June 24-27, 1992.
178. Byerley, L., W.P. Lee, R.S. Swerdloff, F. Buena, T.A. Buchanan, S.K. Nair, B.S. Steiner, S. Bhasin: Effects of manipulating testosterone levels in the normal male range on protein, carbohydrate and lipid metabolism in man: implications for testosterone replacement therapy in man. Western Society for Clinical Investigation, Feb. 1993, Carmel, CA.
179. Lin, M-C, J. Rajfer, R.S. Swerdloff and N.F. down-regulates the levels of androgen receptor mRNA in smooth muscle cells from the rat corpora cavernosa via aromatization to estrogens. WAFRC, Carmel, CA, February 17-20, 1993.
180. Kaser, M., R. Swerdloff, J. Rajfer, and N. Gonzalez-Cadavid: Nuclear protein from rat corpus cavernosum and penile smooth muscle cells in culture binds to the androgen receptor promoter. WSPR, Carmel, CA, February 17-20, 1993.
181. Salehian, B., D. Jacobson, M. Grafe, A. McCutchan, R. Swerdloff: Pituitary-testicular axis during HIV infection: A prospective study. WSCI, Carmel, CA, February 17-20, 1993.
182. Sinha-Hikim, A. and R.S. Swerdloff: Temporal consequences of gonadotropin deprivation on spermatogenesis in GnRH antagonist-treated rats: Identification of stage-specific effects. WAFRC, Carmel, CA, February 17-20, 1993.
183. Salehian, B., D. Jacobson, M. Grafe, A. McCutchan, R.S. Swerdloff: Pituitary-testicular axis during HIV infection: A prospective study. American Society of Andrology Meeting, Tampa, Florida, March 1993.
184. Cadavid, N., M.C. Lin, J. Rajfer and R.S. Swerdloff: Down regulation of AR and TGF-beta 1 mRNA levels in the penis and prostate of immature rats by androgens. The Endocrine Society, Las Vegas, Nevada, June 9-12, 1993.
185. Sinha-Hikim, A. and R.S. Swerdloff: Temporal and stage-specific changes in spermatogenesis in GnRH antagonist (GnRH-A)-treated rats. The Endocrine Society, Las Vegas, Nevada, June 9-12, 1993.
186. Bhasin, S., LKS Tom, W. Salameh, B.S. Steiner, M.A. Peterson and R.S. Swerdloff: Clinical Trials with agonist and antagonist of gonadotropin releasing hormone for male contraception. Indonesian Society of Obstetrics and Gynecology, Jakarta, Indonesia, April 4-9, 1993.
187. McCutchan, A., B. Salehian, D. Jacobson, M. Grafe, R. Swerdloff: Evolution of pituitary-testicular axis dysfunction in HIV/Aids. IXth International Conference on AIDS, Berlin, June 7-11, 1993.
188. McCutchan, A., D. Jacobson, R. Robinson, E. Eisenman, B. Salehian, R. Swerdloff: Impact of hypogonadism on sexual function in HIV/Aids. IXth International Conference on AIDS, Berlin, # 1203, June 7-11, 1993.
189. Kandeel, F.R. and R.S. Swerdloff: Sex Steroid Regulation of LH and POMC-Peptides by individual pituitary cells. 3rd International Pituitary Congress - A Basic and Clinical Update, June 13-15, 1993.
190. Swerdloff, R.S.: Reproductive Endocrinology of aging men. 4th Annual meeting of the North American Menopause Society, San Diego, Sept. 2-4, 1993.
191. Swerdloff, R.S.: Androgens and Aging in Men. Indonesian Society of Andrology, Surabaya, Indonesia, Nov.

12-14, 1993.

192. Swerdloff, R.S.: Male Contraception: 1993 and Beyond. The VI National Annual Meetings of Pandi (Indonesian Society of Andrology), Denpasar, Bali, Nov. 16-17, 1993.
193. Swerdloff, R.S.: Effect of Aging on Male Reproduction System: Interactions and Implications of Treatment with Androgens. The VI National Annual Meetings of Pandi (Indonesian Society of Andrology), Denpasar, Bali, Nov. 16-17, 1993.
194. Swerdloff, R.S.: Endocrine and laboratory profile of impotence in the male. Biannual Impotence Meeting, Denpasar, Bali, Nov. 18-20, 1993.
195. Freedman, A., J. Rajfer, R.S. Swerdloff, N.F. Gonzalez-Cadavid: Opposite effects of platelet derived growth factor AB and transforming growth factor B1 on the levels of androgen receptor mRNA in cultures of smooth muscle cells from the rat corpora cavernosa. 1992 Annual Meeting American Urology Association, Washington, DC, 1993.
196. Lin, M-C, R.S. Swerdloff, J. Rajfer, N.F. Gonzalez-Cadavid: Depletion of androgen receptor and transforming growth factor-B mRNAs in the penis and prostate of immature castrated rats treated with supraphysiological doses of androgens. 75th Annual Meeting The Endocrine Society, Las Vegas, NV, 1993.
197. Sinha-Hikim, A.P. and R.S. Swerdloff: Does FSH have a role in the maintenance of spermatogenesis in the adult rat. Clin. Res. 42:73A, 1994.
198. Sinha-Hikim, A.P. and R.S. Swerdloff: Recovery of spermatogenesis after cessation of GnRH antagonist treatment in the adult rat follows the normal time schedule of germ cell development. Clin. Res. 42:73A, 1994.
199. Catlin D.H., B. Salehian, T. Boghosian, R.S. Swerdloff, C. Wang: Changes in urinary testosterone and epitestosterone after sublingual testosterone cyclodextrin administration. WAFRC, Carmel, February 9-12, 1994.
200. Salehian B., C. Wang, T. Davidson, V. Umana, B. Steiner, M. Peterson, I. Sinha-Hikim and R.S. Swerdloff: Comparison of pharmacokinetics of testosterone (T) after sublingual testosterone cyclodextrin (SLT) or testosterone enanthate injections (TE). Clin. Res. 42:73A, 1994.
201. Salehian B., C. Wang, T. Davidson, V. Umana, B. Steiner, M. Peterson, I. Sinha-Hikim and R.S. Swerdloff: Comparison of pharmacokinetics of testosterone (T) after sublingual testosterone cyclodextrin (SLT) or testosterone enanthate injections (TE). American Society of Andrology, Springfield, Illinois, March 4-7, 1994.
202. Sinha-Hikim, A.P. and R.S. Swerdloff: Recovery of spermatogenesis after cessation of GnRH antagonist treatment in the adult rat follows the normal time schedule of germ cell development. American Society of Andrology, Springfield, Illinois, March 4-7, 1994.
203. Sinha-Hikim, A. and R.S. Swerdloff: Temporal and stage-specific effects of recombinant human FSH on the maintenance of spermatogenesis in the adult rat. Endocrine Society, Anaheim California, June 15-18, 1994.
204. Salehian, B., C. Wang, T. Davidson, V. Umana, B. Steiner, R. Dudley, F. Ziel and R. S. Swerdloff: Pharmacokinetics and safety of sublingual cyclodextrin testosterone (SLT) in comparison to testosterone enanthate (TE). Endocrine Society, Anaheim, California, June 15-18, 1994.
205. Swerdloff, R.S.: Male Contraception. Endocrine Society, Anaheim, California, June 15-18, 1994.

206. Lugg, J., F. Sadeghi, N. Cadavid, A. Freedman, R. Swerdloff and J. Rajfer: High Incidence of Cryptorchidism in LE/ORL Rats. American Urological Association, Inc., 1994 Annual Meeting, San Francisco, California.
207. Sinha-Hikim AP, Wang C., Swerdloff, R.S.: In Situ Localization of Apoptosis in Testis: Evidence for Its Involvement in Germ Cell Deneration in Rats. American Federation for Clinical Research, Carmel, CA. February 8-11, 1995.
208. D. Jacobson, B. Salehian, A. McCutchan, R.S. Swerdloff: Testosterone Levels and Sexual Complaints in Homosexual HIV Positive and Negative Men. American Federation for Clinical Research, Carmel, CA. February 8-11, 1995.
209. R.S. Swerdloff, S. Bhasin, B. Steiner, WJ Bremner, CA Paulsen: Male Contraception: A Hormonal Model With Testosterone Enanthate (TE). The U.S. Experience. American Federation for Clinical Research, Carmel, CA. February 8-11, 1995.
210. Wang C., V. McDonald, A. Leung, L. Superlano, L. Hull, R.S. Swerdloff: Effect of increased scrotal temperature on sperm production in normal men. American Society of Andrology, 1995 Annual Meeting, Raleigh, North Carolina.
211. Sinha Hikim, A.P., C. Wang, R.S. Swerdloff: Involvement of apoptosis in the induction of germ cell degeneration in the adult rats after gonadotropin-releasing hormone antagonist treatment. American Society of Andrology, 1995 Annual Meeting, Raleigh, North Carolina.
212. Sinha Hikim, A.P. and R.S. Swerdloff: Stage-specific activation of germ cell apoptosis in the adult rat after gonadotropin deprivation by GnRH antagonist treatment. Clinical Research Meeting, May 5 - 8, 1995, San Diego, California
213. Bonavera J.J., C. Wang, A.P. Sinha Hikim, R.S. Swerdloff: Age-related changes in LH, FSH and prolactin secretion after N-methyl-D-aspartate (NMDA) administration. 1995 The Endocrine Society Meeting, June 13-17, 1995, Washington D.C.
214. Sinha Hikim, A.P., J.J. Bonavera, R.S. Swerdloff: Recombinant human LH prevent GnRH antagonist (GnRH-A)-induced stage-specific activation of germ cell apoptosis in the adult rat: Evidence for differential regulation of spontaneous vs. induced apoptosis. 1995 The Endocrine Society Meeting, June 13-17, 1995, Washington D.C.
215. Wang C., G. Alexander, N. Berman, B. Salahian, T. Davidson, V. McDonald, C. Callegari and R. S. Swerdloff: Effect of testosterone replacement therapy on mood changes in hypogonadal men. 1995 The Endocrine Society Meeting, June 13-17, 1995, Washington D.
216. Sinha-Hikim, A.P., H. Garban, YH Lue, R.S. Swerdloff: Quantitative Significance of Apoptosis in Mediating the Temporal and Stage-Specific Loss of Germ Cells in the Adult Rat After Gonadotropin Deprivation, Clinical Research 44:103A, 1996
217. Leung,A., L. Superlano, B. Steiner, R.S. Swerdloff, C. Wang: Oligozoospermia Induced by Exogenous Testosterone is Associated With Normal Functioning Residual Spermatozoa. Clinical Research 44:176A, 1996
218. Bonavera, J.J., C. Wang, A. Leung, YH Lue, S. Baravarian, L. Superlano, AP Sinha Hikim, R.S. Swerdloff: In the Brown-Norway (BN) Male Rat, Aging is Associated with Decreased LH Pulse Amplitude. Clinical Research 44:171A, 1996.

219. Sinha Hikim, A.P., C. Wang, YH Lue, X-H Wang, R.S. Swerdloff: Spontaneous Degeneration of Germ Cells During Spermatogenesis in Normal Men Occurs Via Apoptosis. *Clinical Research* 44:177A, 1996.
220. Wang, C., V. McDonald, A. Leung, L. Superlano, L. Hull, R. S. Swerdloff: Effect of Increased Scrotal Temperature on Sperm Production in Normal Men, American Society of Andrology, Annual Meeting Minneapolis, Minnesota, April 25-29, 1996.
221. Johnson, L., L. Rodriguez, R. S. Swerdloff, XH Wang, C. Wang, Ethnic Differences in Spermatogenesis Potential in Humans, American Society of Andrology Annual Meeting, Minneapolis, Minnesota, April 25-29, 1996.
222. Wang, D.R. Eyre, R. Clark, D. Kleinberg, C. Newman, A. Iranmanesh, J. Veldhuis, R.E. Dudley, N. Berman, R.S. Swerdloff: Sublingual Testosterone Replacement Decreases Bone Resorption and Increases Bone Formation Markers in Hypogonadal Men, 10th International Congress of Endocrinology, San Francisco, Ca. 1:552 June 12-15, 1996.
223. Wang, C., N. Berman, T. Der, V. McDonald, R.S. Swerdloff: Differences in the Suppressibility of Serum LH to Negative Feedback Regulation by Testosterone in Normal Asian and White Men, 10th International Congress of Endocrine, San Francisco, CA, 1:552 June 12-15, 1996
224. Wang, C., R. S. Swerdloff: Male Contraception Efficacy of Hormonal Methods, 10th International Congress of Endocrinology, San Francisco, CA. 1:31, 1996
225. Lue,YH, AP Sinha Hikim, C. Wang, S. Baravarian, J.J. Bonavera, A. Leung, R.S. Swerdloff: Early Effect of Vasectomy on Testicular Apoptosis. 10th Annual International Congress of Endocrinology, San Francisco, CA. 1:544, June 12-15, 1996
226. Sinha Hikim, A.P. YH Lue, C. Wang. X-H Wang, L. Johnson, R.S. Swerdloff: Spontaneous Germ Cell Apoptosis is Human, 10th International Congress of Endocrinology, San Francisco, CA. 1:177, June 12-15, 1996
227. Sinha Hikim, A.P. H. Garban, YH Lue, J.J. Bonavera, C. Wang, R.S. Swerdloff: Quantitative Significance of Apoptosis in Mediating the Temporal and Stage-Specific Loss of Germ Cells in the Adult Rat After Gonadotropin Deprivation, 10th International Congress of Endocrinology, San Francisco, CA., 1:58, June 12-15, 1996.
228. Bonavera, J.J., C. Wang, A. Leung, Y.H. Lue, S. Baravarian, L. Superlano, A.P. Sinha Hikim, R.S. Swerdloff: Aging is Associated with Decreased LH Pulse Amplitude in the Brown-Norway (BN) Male Rat., 10th International Congress of Endocrinology, San Francisco, CA., 1:83, June 12-15, 1996.
229. Sinha-Hikim, A.P., T. Rajavashisth, Y.L. Lue, J. Tripathi, H.F. Nabi, A. Suh, J.J. Bonavera, C. Wang, J.A. Brasel, R.S. Swerdloff: Stage-Specific Suppression of Spontaneous Germ Cell Apoptosis in p53 Deficient Mice., 6th International Congress on Cell Biology, 36th American Society for Cell Biology Annual Meeting, Dec. 7-11, 1996
230. Rajavashisth, T.B., A.P. Sinha Hikim, N.D. Mishra, Y. Cai, J.N. Tripathis, Y.L. Lue, C. Wang, S. Baravarian, A. Leung, W-N P. Lee and R.S. Swerdloff: Mice Deficient in Macrophage-Colony Stimulating Factor Exhibit Reduced Testicular Testosterone and Augmented Stage-Specific Germ Cell Apoptosis., 6th International Congress on Cell Biology, 36th American Society for Cell Biology Annual Meeting, Dec. 7-11, 1996.
231. Im, P., YH Lue, KS Tiang, T Bui, A. Leung, AP Sinha Hikim, R.S. Swerdloff, C. Wang: Stage-Specific loss of germ cells in the rat after a single exposure to heat occurs by apoptosis. AFCR Regional Meeting, Journal Of



Investigative Medicine p 94A, Feb. 5-8, 1997.

232. Lue, YH, AP Sinha Hikim, A. Leung, S. Baravarian, C. Wang, R.S. Swerdloff: Triptolide: A potential male contraceptive. AFCR Regional Meeting, Journal of Investigative Medicine p 94A, Feb. 5-8, 1997.
233. Lue, YH., A.P. Sinha Hikim, A. Leung, S. Baravarian, C. Wang, and R.S. Swerdloff: Triptolide: A Post Testicular Antifertility Agent, American Society of Andrology, 1997 Annual Meeting, February 23-25, 1997.
234. Lue, YH., A.P. Sinha Hikim, P. Im, K.S. Tiang, T. Bui, A. Leung, R. S. Swerdloff, C. Wang: Stage-Specific Loss of Germ Cells in the Rat After a Single Exposure to Heat Occurs by Apoptosis, American Society of Andrology, 1997 Annual Meeting, February 23-25, 1997.
235. Swerdloff, R.S., YH Lue, T. Rajavashisth, C. Wang, AP, Sinha Hikim: Hormonal regulation of germ cell apoptosis. Serono Symposia, AACE Meeting, April 16, 1997.
236. Wang, C., A. Iranmanesh, V. McDonald, B. Steiner, L. Hull, N. Berman, SM Faulkner, R.E. Dudley, J. Veldhuis, R.S. Swerdloff: Comparative Pharmacokinetics of three doses of dihydrotestosterone (DHT)-Gel in older men. 79th Annual Meeting of The Endocrine Society, June 11-14, 1997.
237. Swerdloff, R.S., C.J. Bagnatell, C. Wang, T. Davidson, B. Steiner, B.D. Anawalt, M. Fidel, W.J. Bremner: Maintenance of Azoospermia and severe oligospermia (induced by GnRH-A Plus Testosterone) by testosterone alone. 79th Annual Meeting of the Endocrine Society. June 11-14, 1997.
238. Lue, YH, A.P. Sinha Hikim, A. Leung, S. Baravarian, R.S. Swerdloff, C. Wang.: Stage-related activation of germ cell apoptosis in the male aging brown-Norway rat. 79th Annual Meeting of the Endocrine Society. June 11-14, 1997
239. Sinha Hikim, A.P., Lue, Y.H., T.B. Rajavashisth, C. Wang, R.S. Swerdloff: Role of pituitary gonadotropins in preventing the GnRH-A induced stage-specific acceleration of germ cell apoptosis in the adult. 79th Annual Meeting of the Endocrine Society. June 11-14, 1997.
240. Paul, L. K., K.B. Boone, A. Lee, B.L. Miller, A. Haddad, R.S. Swerdloff: Neurocognitive Profile of Adults with Klinefelter's Syndrome. International Neuropsychological Society. February, 1998. Honolulu, Hawaii.
241. Sinha Hikim A.P., Y.H. Lue, L. Smith, J.H. Park, C. Kung, G. Nam, C. Wang, RS Swerdloff. Differential expression of BCL-2 and BAX in the rat seminiferous epithelium. AFMR (Western Regional) Meeting, Carmel, February, 1998.
242. Lue, Y.H., A.P. Sinha Hikim, A. Leung, S. Baravarian, C. Wang, R.S. Swerdloff. Stage-specific hormonal protection against heat-induced germ cell apoptosis in rat. AFMR (Western Regional Meeting, Carmel, February, 1998.
243. Vernet, D., J.J. Bonavera, R.S. Swerdloff, N.F. Gonzalez-Cadavid, C. Wang. Spontaneous expression of inducible nitric oxide synthase (iNOS) in the hypothalamus and frontal cortex of aging rats. 23<sup>rd</sup> Annual Meeting of the American Society of Andrology, Long Beach, March, 1998.
244. Lue, Y.H, A.P. Sinha Hikim, T.B. Rajavashisth, C. Wang, W.E. Salameh, R.S. Swerdloff. P53-deficiency suppresses germ cell apoptosis and stimulates cellular proliferation in vivo. 23<sup>rd</sup> Annual Meeting of the American Society of Andrology, Long Beach, March, 1998.
245. Lue, Y.H., A.P. Sinha Hikim, A. Leung, S. Baravarian, C. Wang, R.S. Swerdloff. Stage-specific hormonal protection against heat-induced germ cell apoptosis in rat. 23<sup>rd</sup> Annual Meeting of the American Society of

Andrology, Long Beach, March, 1998

246. Sinha Hikim, A.P., Y.H. Lue, L. Smith, J.H. Park, C. Kung, G. Nam, C. Wang, R.S. Swerdloff. Differential expression of BCL-2 and BAX in the rat seminiferous epithelium. 23<sup>rd</sup> Annual Meeting of the American Society of Andrology, Long Beach, March, 1998.
247. Wang, C., T. Davidson, N. Berman, B. Steiner, L. Hull, S. Baravarian, R.E. Dudley, S. Faulkner, R.S. Swerdloff: Pharmacokinetics of transdermal testosterone gel in hypogonadal men. Endocrine Society, June, 1998
248. Hikim S.P., K Stefanovic, YH Lue, D. Vernet. C. Wang, R.S.Swerdloff: Increased expression of BAX is an early event in the induction of germ cell apoptosis after mild testicular hyperthermia. Endocrine Society, June, 1998
249. Lue Y.H, A.P. Sinha Hikim, Y. Machida, A. Mayerhofer, H. Urbanski, C. Wang, R.S. Swerdloff: Accelerated germ cell apoptosis in aging rhesus monkeys. Endocrine Society, June, 1998.
250. Huynh, Phuong N, A.P.Sinha Hikim, K. Stefanovic, YH Lue, A. Leung, V. Atienza, S. Baravarian, RS Swerdloff, C. Wang: Long-term effects of triptolide on spermatogenesis, epididymal sperm functions and fertility in male rats. Western Regional Meetings, Carmel, January, 1999.
251. Huynh, PN., K. Stefanovic, R. Hwang, C. Ching, AP Sinha Hikim, C Wang, RS Swerdloff: Effect of heat on testicular heat shock protein expression. Western Regional Meetings, Carmel, January, 1999.
252. Lue YH, AP Sinha Hikim, C. Wang, A. Casillas, L Bono, A. Leung, And RS. Swerdloff: Rapid Suppression of spermatogenesis in the rat by combined treatment with GnRH antagonist and a single heat exposure. Western Regional Meetings, Carmel, January, 1999.
253. Lue YH, AP Sinha Hikim, C Wang, A Casillas, L Bono, A Leung, RS Swerdloff. Rapid suppression of spermatogenesis in the rat by combined treatment with GnRH antagonist and a single heat exposure. Program of the 24<sup>th</sup> Annual Meeting of American Society of Andrology, Louisville, KY, April, 1999,
254. Huynh PN, K Stefanovic, R Hwang, C Ching, AP Sinha Hikim, C Wang, RS Swerdloff. Effect of heat on testicular heat shock protein expression. Program of the 24<sup>th</sup> Annual Meeting of American Society of Andrology, Louisville, KY, April 1999.
256. Lue YH, AP Sinha Hikim, C. Wang, A. Casillas, L Bono, A. Leung, And RS. Swerdloff: Rapid Suppression of spermatogenesis in the rat by combined treatment with GnRH antagonist and a single heat exposure. Endocrine Society Meetings, June, 1999.
257. Portugal AM, AP Sinha Hikim, CM Yamamoto, YH Lue, TB Guo, SY Hsu, WA Salameh, C Wang, AJW Hsueh, RS Swerdloff: Impairment of spermatogenesis through increased germ cell apoptosis in transgenic mice with selective overexpression of BCL-2 in the somatic cells of the testis. Western Regional Meetings, Carmel, February, 2000
258. Im M., YH Lue, PN Rao, AP Sinha Hikim, WA Salameh, C Wang, RS Swerdloff: Absence of germ cells in the adult XXY male mouse: an excellent experimental model for Klinefelter syndrome. Western Regional Meetings, Carmel, February, 2000
259. Yamamoto C., AP Sinha Hikim, B. Shapiro, PN Huynh, YH Lue, WA Salameh, C Wang, RS Swerdloff: Redistribution of BAX is an early step in an apoptotic pathway leading to germ cell death triggered by mild testicular hyperthermia. Western Regional Meetings, Carmel, February, 2000

260. Huynh, PN, G Fernando, M Fernando, CM Yamamoto, AP Sinha Hikim, C Wang, RS Swerdloff: Caspase-7 increases germ cell undergoing apoptosis following heat stress. Western Regional Meetings, Carmel, February, 2000
261. Camarillo, PN Huynh, CM Yamamoto, G Fernando, M Fernando, AP Sinha Hikim, C Wang, RS Swerdloff: FAS/FASL system: does it play a role in germ cell apoptosis in response to heat stress? Western Regional Meetings, Carmel, February, 2000
262. Lue, YH, J Chu, J Uy, AP Sinha Hikim, CM Yamamoto, PN Huynh, C Wang, RS Swerdloff: Stage-specific loss of germ cells after a single testicular heat exposure in the adult mouse occurs by apoptosis. Western Regional Meetings, Carmel, February, 2000
263. Ferrini, M., C Wang, RS Swerdloff, D Vernet, AP Sinha Hikim, NF Gonzalez-Cadavid: Aging-related expression of inducible nitric oxide synthase and cytotoxicity markers in rat hypothalamic regions associated with male reproductive dysfunction. Western Regional Meetings, Carmel, February, 2000
264. Vernet, D., AP Sinha Hikim, RS Swerdloff, NF Gonzalez-Cadavid, C Wang: Age-related increase in germ cell apoptosis in male Brown-Norway (BN) rats is associated with increased expression of inducible nitric oxide synthase (iNOS) Western Regional Meetings, Carmel, February, 2000.
265. Gaw Gonzalo, IT, RS Swerdloff, A Nelson, B Clevenger, N Berman, L Hull, C Wang: Comparison of the efficacy of combined progestagen implant and transdermal androgen versus androgen alone in the suppression of spermatogenesis in normal men. Western Regional Meetings, Carmel, February, 2000.
266. Gaw Gonzalo, IT, DF Kelly, RS Swerdloff, P Cohen, D Nikas, M Etchepare, N Berman, C Wang: Delayed hypopituitarism following severe head injury. Western Regional Meetings, Carmel, February, 2000.
267. Guo, TB., WA Salameh, PN Huynh, AP Sinha Hikim, S Chen, C Wang, A Toscani, EP Reddy, RS Swerdloff: Characterization of the spermatogenic cell cycle defects in the A-MYB knockout mice. American Society of Andrology 25<sup>th</sup> annual meeting, Boston, April, 2000
268. Huynh, PN, G Fernando, M Fernand, CM Yamamoto, AP Sinha Hikim, C Wang, RS Swerdloff: Caspase-7 increases in germ cell undergoing apoptosis following heat stress. American Society of Andrology 25<sup>th</sup> annual meeting, Boston April, 2000
269. Yamamoto, CM., AP Sinha Hikim, B Shapiro, PN Huynh, Y. Lue, WA Salameh, C Wang, RS Swerdloff: Redistribution of BAX is an early step in an apoptotic pathway leading to germ cell death triggered by mild testicular hyperthermia. American Society of Andrology 25<sup>th</sup> annual meeting, Boston April, 2000
270. Vernet, D, A Sinha Hikim, R Swerdloff, NF Gonzalez-Cadavid, C Wang: Age-related increase in germ cell apoptosis in male Brown-Norway (BN) rats is associated with increased expression of inducible nitric oxide synthase (iNOS). American Society of Andrology 25<sup>th</sup> annual meeting, Boston April, 2000
271. Lue, YH, PN Rao, AP Sinha Hikim M Im, WA Salameh, P Yen, C Wang, RS Swerdloff: Progressive loss of germ cells by apoptosis in XXY male mouse: an excellent experimental model for Klinefelter syndrome. American Society of Andrology 25<sup>th</sup> annual meeting, Boston April, 2000
272. Johnson, L., JW Plasek, WB Neaves, C Wang, RS Swerdloff, XH Wang: Ethnic Differences in Leydig cell organelle content may predispose testes of Asian men to a heightened sensitivity to steroidal contraceptives. American Society of Andrology 25<sup>th</sup> annual meeting, Boston April, 2000
273. Wang, C, RS Swerdloff: New androgen formulations. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000

274. Portugal, AM, AP Sinha Hikim, CM Yamamoto, YH Lue, TB Guo, SY Hsu WA Salameh, AW Hsueh, RS Swerdloff: Impairment of spermatogenesis in transgenic mice with selective overexpression of BCL-2 in the somatic cells of the testis. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
275. Huynh, PN, AP Sinha Hikim, G Fernando, M Fernando, D Camarillo, C Wang, RS Swerdloff: Differential regulation of FasL and Fas receptor in the testis following mild testicular hyperthermia in rat. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
276. Lue, YH, AP Sinha Hikim, CM Yamamoto, NF Gonzalez-Cadavid, C Wang, A Leung, RS Swerdloff: Decrease in induction of germ cell apoptosis by a single testicular heat exposure in iNOS deficient mouse. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
277. Wang, C, RS Swerdloff, A Iranmanesh, A Dobs, PJ Snyder, G Cunningham, AM Matsumoto, T Weber, N Berman, Testosterone Gel Study Group Harbor-UCLA Medical Center and Research and Education Institute, Torrance, CA and 15 other centers in the US: Effects of transdermal testosterone gel on bone turnover markers and bone mineral density in hypogonadal men. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
278. Wang, C, RS Swerdloff, A Iranmanesh, A Dobs, PJ Snyder, G Cunningham, AM Matsumoto, T Weber, N Berman, Testosterone Gel Study Group Harbor-UCLA Medical Center and Research and Education Institute, Torrance, CA and 15 other centers in the US: Transdermal testosterone gel improves sexual function, mood, muscle strength and body composition parameters in hypogonadal men. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
279. Chan, K, TB Guo, WA Salameh: Isolation of novel testicular substrates of glycogen synthase kinase-3B. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
280. Gaw Gonzalo, IT, DF Kelly, RS Swerdloff, P Cohen, D Nikas, M Etchepare, N Berman, C. Wang: Delayed hypopituitarism following moderate or severe traumatic brain injury. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
281. Gaw Gonzalo IT, RS Swerdloff, A Nelson, B Clevenger, N Berman, L Hull, C Wang. Comparison of the efficacy of combined progestagen implant and transdermal androgen versus androgen alone in the suppression of spermatogenesis in normal men. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
282. Swerdloff, RSS, C Wang, G Cunningham, A Dobs, A Iranmanesh, AM Matsumoto, PJ Snyder, T Weber, J Longstreth, N Berman Testosterone Gel Study Group Harbor-UCLA Medical Center and Research and Education Institute, Torrance, CA and 15 other centers in the US: Long term pharmacokinetics of transdermal testosterone gel versus testosterone patch in hypogonadal men. Endocrine Society 82<sup>nd</sup> Annual Meeting. Toronto, Canada June, 2000
283. Ferrini M, C. Wang, R. Swerdloff, AP Sinha Hikim, NF Gonzalez-Cadavid: Aging-related expression of inducible nitric oxide synthase and cytotoxicity markers in rat hypothalamic regions associated with male reproductive dysfunction. Toronto, Canada Endocrine Society 82<sup>nd</sup> Annual Meeting. June, 2000
284. Sinha Hikim AP, Yamamoto CM, Lue Y, Huynh PN, Wang C, Swerdloff RS. Apoptotic pathways: a testicular perspective. Program of the 33<sup>rd</sup> Annual Meeting of Society for the Study of Reproduction, July 15-18, 2000, Madison, WI, p 96 (Plenary talk).
285. Rispler MJ, YH Lue, AP Sinha Hikim, A Leung, LG Ferguson, C Wang, RS Swerdloff: Frequency of

- apoptosis in spontaneous versus hormonally induced oligospermia in human ejaculated sperm. Western Regional Meetings, Carmel, CA, February, 2001.
286. Bae AI, C Wang, N Berman, RS Swerdloff: The effects of showering on serum testosterone levels after the application of transdermal testosterone gel. Western Regional Meetings, Carmel, CA, February, 2001.
  287. Ferrini M, AP Sinha Hikim C Wang, RS Swerdloff, NF Gonzalez-Cadavid: Age-related increase of inducible nitric oxide (iNOS) expression and apoptosis in the mouse brain. Western Regional Meetings, Carmel, CA, February, 2001.
  288. Yamamoto CM, AP Sinha Hikim, YH Lue, C Wang RS Swerdloff: Heat-induced germ cell death in rats occurs through an apoptotic pathway involving the cytosolic release of cytochrome C. Western Regional Meetings, Carmel, CA, February, 2001.
  289. Lue YH, CM Yamamoto, AP Sinha Hikim, C Wang, MJ Rispler, M Francisca, LG Ferguson, RS Swerdloff: Increased germ cell proliferation in inducible nitric oxide synthase (iNOS) deficient male mice. Western Regional Meetings, Carmel, CA, February, 2001.
  290. Huynh PN, AP Sinha Hikim, CM Yamamoto, YH Lue, G Fernando, M Fernando, DL Chen, C Wang, RS Swerdloff: The FAS signaling system may not be involved in the induction of germ cell apoptosis by mild testicular hyperthermia. Western Regional Meetings, Carmel, CA, February, 2001.
  291. Gaw Gonzalo IT, A Pawlikowska-Haddal, JA Brasel, C Wang, C Vadheim, N Berman, B Clevenger, RS Swerdloff: Klinefelter syndrome (KS) profile on a series of 105 adolescent and adult males. Western Regional Meetings, Carmel, CA, February, 2001.
  292. Lue YH, AP Sinha Hikim, C Wang, A Leung, RS Swerdloff: Increased germ cell proliferation in inducible nitric oxide synthase (iNOS) deficient male mice. VII International Congress of Andrology, Montreal, Canada, 2001
  293. Gaw Gonzalo IT, RS Swerdloff, A Nelson, B Clevenger, R Garcia, N Berman, C Wang: Effects of a long-acting progestagen implant (Norplant) with androgen preparations in the suppression of spermatogenesis in normal men. VII International Congress of Andrology, Montreal, Canada, 2001
  294. Sinha Hikim, AP, CM Yamamoto, YH Lue, C Wang, RS Swerdloff: Key molecular components of the apoptotic pathway in heat-induced programmed germ cell death. Endocrine Society 83<sup>rd</sup> Annual Meeting. Denver, CO, June, 2001
  295. Lue, YH, B Lasley, LS Laughlin, RS Swerdloff, AP Sinha Hikim, A Leung, C Wang: Mild testicular hyperthermia induces oligospermia and azoospermia through increased germ cell apoptosis in adult monkeys. Endocrine Society 83<sup>rd</sup> Annual Meeting. Denver, CO, June, 2001
  296. Sinha Hikim, AP, PN Huynh, YH Lue, C Wang RS Swerdloff: The FAS signaling system may not be involved in the induction of germ cell apoptosis by mild testicular hyperthermia. Endocrine Society 83<sup>rd</sup> Annual Meeting. Denver, CO, June, 2001
  297. Gaw Gonzalo, IT, A Pawlikowska-Haddal, J Brasel, C Wang, C Vadheim, N Berman, B Clevenger, RS Swerdloff: Klinefelter syndrome (KS) profile on series of 107 adolescent and adult males. Endocrine Society 83<sup>rd</sup> Annual Meeting. Denver, CO, June, 2001
  298. Bae AI, C Wang, N Berman, RS Swerdloff: The effects of showering on serum testosterone levels after the application of transdermal testosterone gel. Endocrine Society 83<sup>rd</sup> Annual Meeting. Denver, CO, June, 2001
  299. Lue YH, C Wang AP Sinha Hikim C Yamamoto, A Leung, V Atienza, M Diaz-Romero, RS Swerdloff:

- Progesterone Receptor expression, localization and activity in rat testes. Western Regional Meetings, Carmel, CA, February, 2002
300. Rodriguez S, YH Lue, PH Yen, C Wang, RS Swerdloff, AP Sinha Hikim: Activation of the mitochondria-dependent apoptotic pathway in heat-induced testicular germ cell apoptosis in FAS ligand-defective mice. Western Regional Meetings, Carmel, CA, February, 2002
  301. Sinha Hikim AP, Huynh PN, Lue YH, Wang C, Swerdloff RS. The Fas signaling system may not be involved in the induction of germ cell apoptosis by mild testicular hyperthermia. Program of the 83<sup>rd</sup> Annual Meeting of the Endocrine Society, June 20-23, 2001, Denver, CO, p 90 (oral presentation).
  302. Nwachukwu JC, Lue YH, Wang C, Sinha Hikim AP, Swerdloff RS. The Involvement Of Ceramide Signaling and Mitochondrial Pathway in Testosterone-induced Germ Cell Apoptosis. 2002 Annual Meeting of SACNAS, Anaheim, CA
  303. Sinha Hikim AP, YH Lue, S Rodriguez, PH Yen, C Wang, RS Swerdloff: Activation of the mitochondria-dependent apoptotic pathway in heat-induced testicular germ cell apoptosis in FAS ligand-defective mice. American Society of Andrology Meetings, Seattle WA, April, 2002
  304. Palomeno, G, AP Sinha Hikim, YH Lue, V Atienza, C Wang, RS Sewrdloff: The initiator caspase 9 and the executioner caspases 3 and 6 are involved in germ cell apoptosis following gonadotropin deprivation in rats. American Society of Andrology Meetings, Seattle WA, April, 2002
  305. Lue YH, C Wang, AP Sinha Hikim, CM Yamamoto, A Leung, V Atienza, M Diaz-Romero, RS Swerdloff: Progesterone receptor expression, localization, and activity in rat testes. American Society of Andrology Meetings, Seattle WA, April, 2002
  306. Anawalt BD, JK Amory, C. Wang, RS Swerdloff, AS Dobs, AW Meikle, JMH Elbers and NS Houwing: A pharmacokinetic trial of an orally administered testosterone undecanoate (TU) preparation (Org 538). American Society of Andrology Meetings, Seattle WA, April, 2002
  307. Rodriguez S, YH Lue, M Diaz-Romero, PH Yen, C Wang, RS Swerdloff, AP Sinha Hikim: Involvement of Diablo in Heat Induced Testicular Germ Cell Apoptosis in FAS Ligand-Defective Mice. Endocrine Society 84<sup>th</sup> Annual Meeting. San Francisco, CA. June, 2002
  308. Diaz-Romero M, AP Sinha Hikim, YH Lue, C Wang, RS Swerdloff: Role of microtubules in heat-induced testicular germ cell apoptosis. Endocrine Society 84<sup>th</sup> Annual Meeting. San Francisco, CA. June, 2002
  309. Swerdloff RS, C Wang, A Iranmanesh, A Dobs, P Snyder, G Cunningham, A Matsumoto, T Weber, Testosterone Gel Study Group. Transdermal Testosterone (T) Gel is efficacious and safe in older compared to young men. Endocrine Society 84<sup>th</sup> Annual Meeting. San Francisco, CA. June, 2002
  310. Cui Y, YH Lue, AP Sinha Hikim, A Leung, C Wang, RS Swerdloff: Testicular germ cell apoptosis induced by testosterone (T) implants in mice. Endocrine Society 84<sup>th</sup> Annual Meeting. San Francisco, CA. June, 2002
  311. Lee KK, M Ferrini, AP Sinha Hikim, RS Swerdloff, NF Gonzalez-Cadavid, C Wang: Aging-related expression of p53 in the hypothalamus and other brain regions which regulate reproductive functions. Endocrine Society 84<sup>th</sup> Annual Meeting. San Francisco, CA. June, 2002
  312. Clark, RV, CS Huffman, LJ Haberer, RS Swerdloff, C Wang, AM Matsumoto, WJ Bremner: Marked suppression of dihydrotestosterone (DHT) by dutasteride has no adverse effect on spermatogenesis in healthy men. Endocrine Society 84<sup>th</sup> Annual Meeting. San Francisco, CA. June, 2002

313. Wang C, RS Swerdloff, A Iranmanesh, AS Dobs, PJ Synder, G Cunningham, AM Matsumoto, T Weber and Testosterone Gel Study Group. Long term efficacy and safety of transdermal testosterone gel (AndroGel) in hypogonadal men. Endocrine Society 84<sup>th</sup> Annual Meeting. San Francisco, CA. June, 2002
314. Bae A, C Wang, RS Swerdloff A Iranmanesh, JD Veldhuis. Ethnic contrasts in androgen feedback-dependent unleashing of LH secretion in young men. Endocrine Society 84<sup>th</sup> Annual Meeting. San Francisco, CA. June, 2002
315. Anawalt BD, JK Amory, C Wang, RS Swerdloff, AS Dobs, AW Meikle, J Elbers, NW Houwing: Pharmacokinetics of four dose regimens of Andriol Testocaps in hypogonadal men. Malmö, Sweden
316. Sinha Hikim AP, YH Lue, PH Yen, C Wang, RS Swerdloff: Deciphering the pathways of apoptosis in the testis. International Congress on Hormonal Steroids, Fukuoka, Japan, October, 2002
317. Diaz-Romero M, AP Sinha Hikim, Y Vera, YH Lue, S Datta, C Wang, RS Swerdloff: The FAS signaling system is dispensable in heat-induced testicular germ cell apoptosis. Western Regional Meetings, Carmel, CA, February, 2003
318. Lue YH, C Wang, G Mohder, R Chu, A Leung, AP Sinha Hikim, RS Swerdloff: Levonorgestrel suppresses gonadotropin secretion, decreases intratesticular testosterone level, and induces stage-specific activation of germ cell apoptosis in rats. Western Regional Meetings, Carmel, CA, February, 2003
319. Lue YH, M Kimoto, J Chiang, AP Sinha Hikim C Wang, RS Swerdloff: Over-expression of Survivin and activation of Caspase 3 contribute to exogenous testosterone-induced germ cell apoptosis in rats. Western Regional Meetings, Carmel, CA, February, 2003
320. Rodriguez S, Y Vera, YH Lue, M Diaz-Romero, S Datta, C Wang, RS Swerdloff: Translocated cytosolic diablo through interaction with XIAP regulates heat-induced testicular germ cell apoptosis in FAS ligand-defective mice. Western Regional Meetings, Carmel, CA, February, 2003
321. Clark R, CS Huffman, RS Swerdloff, C Wang, A Matsumoto, W Bremner: Potent DHT suppression by the novel dual 5 alpha reductase inhibitor dutasteride does not effect bone density, bone metabolism or lipid profiles in healthy men. European Association of Urologists, Madrid, Spain, March, 2003
322. Lee KK, M Diaz-Romero, AP Sinha Hikim, YH Lue, RS Swerdloff, C Wang: Effects of testosterone on body composition in old brown Norway rats. American Society of Andrology Meetings, Phoenix, AZ March, 2003
323. Diaz-Romero M, AP Sinha Hikim, Y Vera, YH Lue, S Datta, C Wang, RS Swerdloff: The FAS signaling system is dispensable in heat-induced testicular germ cell apoptosis. American Society of Andrology Meetings, Phoenix, AZ March, 2003
324. Lue YH, C Wang, G Mohder, R Chu, A Leung, AP Sinha Hikim, RS Swerdloff: Levonorgestrel suppresses gonadotropin secretion, decreases intratesticular testosterone level, and induces stage-specific activation of germ cell apoptosis in rats. American Society of Andrology Meetings, Phoenix, AZ March, 2003
325. YH Lue, M Kimoto, J Chiang, AP Sinha Hikim, C Wang, RS Swerdloff: Over-expression of survivin and activation of caspase 3 contribute to exogenous testosterone-induced germ cell apoptosis in rats. American Society of Andrology Meetings, Phoenix, AZ March, 2003
326. Vera Y, S Rodriguez, P Yen, YH Lue, M Diaz-Romero, C Wang, RS Swerdloff, AP Sinha Hikim. Translocated cytosolic diablo through interaction with XIAP regulates heat-induced testicular germ cell apoptosis in FAS Ligand-defective mice. XVII Testis workshop: Functional Genomics of Male Reproduction

at Phoenix, AZ March, 2003

327. Wang C, RS Swerdloff, N Berman, A Iranmanesh, AS Dobs, PJ Snyder, G Cunningham, AM Matsumoto, T Weber, Testosterone Gel Study Group. Does Pretreatment Serum Testosterone affect Responsiveness to Long Term Transdermal Testosterone Gel (AndroGel) Treatment in "Hypogonadal" Men? Presented at the Endocrine Society's 85<sup>th</sup> Annual Meeting at Philadelphia, PA, on June 22, 2003.
328. Lee KK, RS Swerdloff, A Nelson, XH Wang, JS Tong, YG Cui, R Roy, R Sinow, N Berman, L Hull, C Wang. Suppression of Spermatogenesis with Levonorgestrel and Testosterone Implants in Asian and Non-Asian Men. Presented at the Endocrine Society's 85<sup>th</sup> Annual Meeting at Philadelphia, PA, on June 22, 2003.
329. Rodriguez S, Y Vera, M Diaz-Romero, YH Lue, V Atienza, C Wang, RS Swerdloff, AP Sinha Hikim. Protection of heat-induced testicular germ cell apoptosis in mice by a new generation broad-spectrum caspase inhibitor. Presented at the Endocrine Society's 85<sup>th</sup> Annual Meeting at Philadelphia, PA, on June 22, 2003
330. Wang C, A Sinha Hikim, YH Lue, RS Swerdloff: Hormonal Regulation of Spermatogenesis. SSR meeting. Cincinnati, Ohio July, 2003
331. Lue YH, C Wang, YX Liu, XS Zhang, A Leung, AP Sinha Hikim, RS Swerdloff: Transient Testicular warming enhances the suppression of spermatogenesis induced by testosterone implant in monkeys. Western Regional Meetings Carmel, CA Feb, 2004
332. Rodriguez S, Y Vera, V Pope, M Castanares, YH Lue, V Atienza, C Wang, RS Swerdloff, AP Sinha Hikim: Functional role of caspases in heat-induced testicular germ cell apoptosis. Western Regional Meetings Carmel, CA Feb, 2004
333. Vera Y, T Takagi, V Pope, D Das, Y Lue, C Wang, RS Swerdloff, AP Sinha Hikim: Intrinsic pathway signaling in male germ cell apoptosis after hormone deprivation. Western Regional Meetings Carmel, CA Feb, 2004
334. Wang C, RS Swerdloff, A Iranmanesh, A Dobs, PJ Snyder G Cunningham, AM Matsumoto, T Weber, C McWhirter and JJ Brennan: Frequency of dose adjustment for androGel during a three-year clinical trial in hypogonadal men. Western Regional Meetings Carmel, CA Feb, 2004
335. Salameh W, X Chen, S Chen, J Olinga, T Guo, RS Swerdloff: Evidence for multiple signaling pathways regulating glycogen synthase kinase 3 (GSK3) in the mouse testes. American Society of Andrology Meetings, Baltimore MD, 2004
336. Sinha-Hikim AP, Y Vera, T Takagi, V Pope, D Das, YH Lue, C Wang, RS Swerdloff. Intrinsic pathway signaling in male germ cell apoptosis after hormone deprivation. Abstract presented at the Annual Meeting of the American Society of Andrology at Baltimore, Maryland, in April 2004.
337. Lue YH, C Wang, W Salameh, Y Cai, AP SinhaHikim, HH Li, SM Lee, RS Swerdloff. Testicular gene expression after testosterone or heat treatment in rats. Abstract presented at the Annual Meeting of the American Society of Andrology at Baltimore, Maryland, in April 2004.
338. Lue YH, C Wang, YX Liu, XS Zhang, A Leung, AP SinhaHikim, RS Swerdloff. Transient testicular warming enhances the suppression of spermatogenesis induced by testosterone implant in monkeys. Abstract presented at the Annual Meeting of the American Society of Andrology at Baltimore, Maryland, in April 2004.
339. Silverman DHS, J Lai, PH Lu, GW Small, R Swerdloff, JL Cummings: Effect of transdermal testosterone on metabolism of posterior cingulate cortex and other brain regions: a prospective double-blind randomized placebo-controlled pilot study. Society of Nuclear Medicine Annual Meeting, 2004



340. Wang CCL, RS Swerdloff. The full androgenic effects of testosterone treatment: clinical relevance of testosterone and its metabolites dihydrotestosterone and estradiol. Abstract presented at the 4<sup>th</sup> World Congress on the Aging Male at Prague, Czech Republic, February 26-29, 2004.
341. Swerdloff RS, C Wang. Testosterone replacement therapy: Current and future. Abstract presented at the 4<sup>th</sup> Asian & Oceanic Congress of Andrology, Penang, Malaysia, March 25-28, 2004.
342. Swerdloff RS, C Wang. Osteoporosis and androgen deficiency in men. Abstract presented at the 4<sup>th</sup> Asian & Oceanic Congress of Andrology, Penang, Malaysia, March 25-28, 2004.
343. Wang C, RS Swerdloff. Experience with Androgel. Abstract presented at the 4<sup>th</sup> Asian & Oceanic Congress of Andrology, Penang, Malaysia, March 25-28, 2004.
344. Lue YH, C Wang, J Ng, D Chen, J Li, AP Sinha Hikim, and RS Swerdloff: Progesterone receptor expression and localization in adult monkey testes. Endocrine Society's 86<sup>th</sup> Annual Meeting, New Orleans, LA, June 2004
345. Lue YH, C Wang, YX Liu, SX Tao, A Leung, AP Sinha Hikim, and RS Swerdloff: Levonorgestrel enhances the suppression of spermatogenesis induced by testosterone implant in monkeys. Endocrine Society's 86<sup>th</sup> Annual Meeting, New Orleans, LA, June 2004
346. Wang C, and RS Swerdloff: Advances in male hormone replacement therapy. Endocrine Society's 86<sup>th</sup> Annual Meeting, New Orleans, LA, June 2004
347. Qu X-D, P Christenson, M Al-Sayed, P Cohan, DF Kelly, RS Swerdloff, C Wang. Do gender and BMI influence the GH response to GHR +ARG stimulation test? Abstract presented at the 86<sup>th</sup> Annual Meeting of the Endocrine Society in New Orleans, June 16-19, 2004.
348. Wang C, RS Swerdloff, A Iranmanesh, A Dobs, PI Snyder, G Cunningham, AM Matsumoto, T Weber, C McWhirter, JJ Brennan. Frequency of dose adjustment for Androgel® during a three-year clinical trial in hypogonadal men. Abstract presented at the 86<sup>th</sup> Annual Meeting of the Endocrine Society in New Orleans, June 16-19, 2004
349. Esposito F, P Moftakhar, J Dusick, P Cohan, C Wang, RS Swerdloff, DF Kelly. The direct endonasal approach for Cushing's disease. Congress of Neurological Surgeons Annual Meeting, San Francisco, CA, 2004
350. Wang C, RS Swerdloff: Testosterone: clinical pharmacology of new preparations. 12<sup>th</sup> Annual International Congress of Endocrinology, Lisbon, Portugal, August 2004
351. Kamischke A, E Nieschlag, C Wang, RS Swerdloff, G Noe, H Croxatto, K Sundaram, I Sivin and R. Sitruk-Ware: A randomized, dose-finding, three-center study on the effect of MENT and levonorgestrel implants for male contraception.
352. Wang C, RS Swerdloff: Androgen treatment for Androgen Deficiency of Aging Men and Hormonal Male Contraception, National Congress of the Chinese Society of Andrology, August 2004, Nanjing , China
353. Wang C, RS Swerdloff : Testosterone: clinical pharmacology of new preparations, International Congress of Endocrinology, August, 2004, Lisbon, Portugal

354. Vera Y, Rodriguez S, Pope V, Castanares, Lue Y, Atienza V, Wang C, Swerdloff RS, Sinha Hikim AP. Functional role of caspases in heat-induced male germ cell apoptosis. Program of the 37<sup>th</sup> Annual Meeting of the Society for the Study of Reproduction, August 1-4, 2004, Vancouver, BC, Canada,
355. Wang C, RS Swerdloff: Dihydrotestosterone for Androgen substitution therapy, 3<sup>rd</sup> European Congress of Andrology, September, 2004, Munster, Germany
356. Lue YH, JD Jentsch, C Wang, AP SinhaHikim, WA Salameh, RS Swerdloff: Testicular failure and learning deficits in adult XXY mice. To be presented at the Western Association of Physicians Meeting, Western Section of AFMR in February, 2005.
357. Nunez C, Y Vera, M Castanares, V Atienza, YH Lue, C Wang, RS Swerdloff and AP Sinha Hikim: Aminoguanidine, a selective inhibitor of inducible nitric oxide synthase prevents male germ cell apoptosis after hormone deprivation. Western Regional Meetings Carmel, CA, 2005
358. Castanares M, Y Vera, C Nunez, V Atienza, YH Lue, C Wang, RS Swerdloff, and AP Sinha Hikim: Minocycline through suppression of cytochrome C and diablo release attenuates male germ cell apoptosis after hormone withdrawal. Western Regional Meetings Carmel, CA, 2005
359. Vera Y, M Castanares, C Nunez, YH Lue, C Wang, RS Swerdloff, AP Sinha Hikim. Involvement of p38 MAPK and nitric oxide in inducing male germ cell apoptosis via intrinsic pathway signaling after hormone deprivation. To be presented at the Western Association of Physicians Meeting, Western Section of AFMR in February, 2005.
360. Erkkila K, Dunkel L, Kyttanen S, Lapatto R, Swerdloff RS. 2005. Regulation of human male germ cell death by modulators of ATP production, American Federation for Medical Research (AFMR) Western Regional Meeting, Carmel, CA, 2005.
361. Nieschlag E, RS Swerdloff: The aging male and testosterone deficiency: a hormonal debate. 8<sup>th</sup> International Congress of Andrology, San Diego, CA. June, 2005
362. K Erkkila, S Kyttanen, R Lapatto, L Dunkel and RS Swerdloff. 2005. ATP production and pyridine nucleotides in human male germ cell death. American Society of Andrology (ASA), 30th Annual Meeting in Seattle, WA, 2005.
363. Nunez C, Y Vera, M Castanares, V Atienza, YH Lue, C Wang, RS Swerdloff, AP Sinha Hikim. Aminoguanidine, a selective inhibitor of iNOS, up-regulates Bcl-2 and prevents male germ cell apoptosis after hormone deprivation. 87<sup>th</sup> Annual Meeting of the Endocrine Society, June, 2005, San Diego, CA,
364. Vera Y, RI Elhag, YH Lue, V Pope, A Leung, V Atienza, C Wang, RS Swerdloff, AP Sinha Hikim. Mouse model of male germ cell apoptosis in response to a lack of hormonal stimulation. 87<sup>th</sup> Annual Meeting of the Endocrine Society, June, 2005, San Diego, CA,
365. Lue YH, C Wang, K Ma, AP Sinha Hikim, A Salameh, RS Swerdloff. Loss of androgen receptor immunoexpression in Sertoli cells of adult XXY mice. 87<sup>th</sup> Annual Meeting of the Endocrine Society, June 4-7, 2005, San Diego, CA,.
366. Lue YH, Swerdloff RS, Lydon JP, Sinha Hikim AP, Leung A, Wang C. Characterization of the functional and physiological roles of progesterone receptor in the murine testis. 87<sup>th</sup> Annual Meeting of the Endocrine Society, June 4-7, 2005, San Diego, CA,
367. Y Jia, YH Lue, RS Swerdloff, AP Sinha Hikim, Y Vera, XS Chang, YX Liu, C Wang: Mild testicular hyperthermia induces germ cell apoptosis through mitochondrial-dependent pathway in adult cynomolgus

- monkeys. ISA, 2005
368. Lue YH, D Jentsch, C Wang, N Rao, AP Sinha Hikim, W Salameh, RS Swerdloff: Development and analysis of mouse model for Klinefelter syndrome. ISA, 2005
  369. Lue YH, C Wang, W Salameh, AP Sinha Hikim, Y Cai, S Lee, RS Swerdloff: Effect of combined treatment of testosterone and heat on testicular gene expression in rats. ISA, 2005
  370. Erkkila K, S Dytanen, L. Dunkel, YH Lue, C Wang, AP Sinha Hikim, RS Swerdloff: A-Acetyl-L Cysteine Restores GSH-GSSH Ratio and Prevents human male germ cell apoptosis. Western Regional Meetings Carmel, CA,, 2006
  371. Schwarcz M YH Lue, VS Pope, K Ma, AP Sinha Hikim C. Wang, RS Swerdloff: Over-expression of estrogen receptor beta contributes to exogenous testosterone induced germ cell apoptosis in rats Western Regional Meetings Carmel, CA, 2006
  372. Castellanos J, Vera Y, Meyer J, Jia Y, Lue YH, Wang C, Swerdloff RS, Sinha Hikim AP. ERK Activation Promotes Heat-Induced Germ Cell Apoptosis Via Inactivation of Bcl-2 through Phosphorylation. Abstract presented at 31<sup>st</sup> Annual Meeting of the American Society of Andrology, June, 2006 at Chicago, Illinois.
  373. Liu, PY, RS Swerdloff, C Wang and Male Hormonal Contraception Recovery Group: Recovery of spermatogenesis after androgen-progestin therapy. Western Regional Meetings Carmel, CA, 2006
  374. Lue YH, Liu PY, Erkkila K, Wang C, SinhaHikim AP, Swerdloff RS. 2006. Fate of bone marrow stem cells transplanted into the testis. American Society of Andrology (ASA), 31st Annual Meeting in Chicago, IL, 2006.
  375. Erkkila K, Kytanen A, Dunkel L, Lue YH, Wang C, Sinha-Hikim AP, Swerdloff RS. 2006. N-acetyl-L-cysteine restores GSH-GSSG ratio and prevents human male germ cell apoptosis. American Society of Andrology (ASA), 31st Annual Meeting in Chicago, IL, 2006.
  376. R Ruiz, K Erkkila, AP Sinha Hikim, Y Lue, D Abuyounes, D Jentsch, C Wang, and RS Swerdloff. 2006. The social gender preference and behavior of XXY mice and their modified palmitate and stearate brain metabolism. STTP Research Fair, LA, CA, 2006.
  377. Lue YH, Liu PY, Ma K, Krista Erkkila K, Wang C, SinhaHikim A, Swerdloff R. Transplanted XY spermatogonial stem cells colonize in the seminiferous tubules of XXY Mice. Abstract to be presented at the 88<sup>th</sup> Annual Meeting of the Endocrine Society, at Boston, MA, June 2006.
  378. Lue YH, Jentsch D, Wang C, Swerdloff R. Testosterone treatment improves the learning ability of adult XXY mice. Abstract to be presented at the 88<sup>th</sup> Annual Meeting of the Endocrine Society, at Boston, MA, June 2006.
  379. Schwarcz M, P Liu, K Erkkila, YH Lue, D Abuyounes, D Jentsch, C Wang, RS Swerdloff. Gender Preference and Social Behavior of XXY Mice. 88<sup>th</sup> Annual Meeting of the Endocrine Society, Boston, MA, 2006
  380. K Erkkila, PY Liu, PW-N Lee, LG Boros, M Ferrini, AP Sinha Hikim, C Wang, YH Lue, RS Swerdloff. 2006. XXY Mice Exhibit Altered Palmitate and Stearate Metabolism in the Brain. ENDO 2006, The Endocrine Society's 88th Annual Meeting, Boston, MA, 2006.
  381. YH Lue, PY Liu, K Ma, K Erkkila, C Wang, AP SinhaHikim, RS Swerdloff. 2006. Transplanted XY Spermatogonial Stem Cells Colonize in the Seminiferous Tubules of XXY Mice. ENDO 2006, The Endocrine Society's 88th Annual Meeting, Boston, MA, 2006.

382. Swerdloff, RS. The Present State of Male Contraception. XX Reunion ALIRH Buenos Aires, Argentina, 2007
383. Peter Y Liu, Ronald S Swerdloff, Peter D Christenson, David J Handelsman, Christina Wang and Hormonal Male Contraception Summit Group. Factors Affecting the Rate and Extent of Sperm Output Suppression in Male Contraceptive Purposes. Abstract presented at 32nd Annual Meeting of the American Society of Andrology, April, 2007 at Tampa, Florida.
384. Y. Jia, AP.S. Hikim, RS. Swerdloff, YH. Lue, C. Johnson, N. Chiang, X. Han, Y. Vera, XS. Zhang, ZY. Hu, YC. Li, YX. Liu, And C. Wang. Role of JNK in Testicular Cells after Hyperthermia and/or Intratesticular Testosterone Deprivation Treatments in Adult Cynomolgus Monkeys. Abstract presented at 32nd Annual Meeting of the American Society of Andrology, April, 2007 at Tampa, Florida.
385. J Castellanos, Y Jia, J Meyer, Y Lue, C Wang, RS Swerdloff, and AP Sinha Hikim. Testicular Hyperthermia but Not Hormone Deprivation Results in Stage-And Cell-Specific Activation of ERK and Inactivation of BCL-2. Abstract presented at 32nd Annual Meeting of the American Society of Andrology, April, 2007 at Tampa, Florida.
386. C Johnson, Y Jia, AP Sinha Hikim, RS Swerdloff, YH Lue, X Han, XS Zhang, ZY Hu, YC Li, YX Liu, and C Wang. Role of Caspase 2 in Apoptotic Signaling of Primate Male Germ Cells. Abstract presented at 32nd Annual Meeting of the American Society of Andrology, April, 2007 at Tampa, Florida.
387. Monica Schwarcz, YanHE Lue, Christina Wang and Ronald S. Swerdloff. Testosterone Production of Isolated Leydig Cells in XXY Mice. Abstract presented at 32nd Annual Meeting of the American Society of Andrology, April, 2007 at Tampa, Florida.
388. YH Lue, M Crespo, K Dollente, C Wang, RS Swerdloff. Disrupted X-Linked Gene Expression and Early Differentiation of Gonocytes Contribute to Testicular Failure in XXY Mice. Abstract presented at 32nd Annual Meeting of the American Society of Andrology, April, 2007 at Tampa, Florida.
389. Ma K, Berglund F, Crespo M, Lue YH, Swerdloff RS, Sinha Hikim AP, Liu YX, Cui YG, Wang XH, Sha JH, Zhou ZM<sup>3</sup>, Wang C. Potential male contraceptive target: germ cell specific vasa protein localization in monkey and human testes. 89th Annual Meeting of the Endocrine Society. June 2-5, 2007 Toronto, Canada.
390. Jia Y, Amiya P. Sinha Hikim, Yan-He Lue, Ronald S. Swerdloff, Yanira Vera, Xue-Shen Zhang, Zhao-Yuan Hu, Yin-Chuan Li, Yi-Xun Liu, and Christina Wang. Signaling Pathways for Germ Cell Death in Adult Cynomolgus Monkeys (*Macaca fascicularis*) Induced by Mild Testicular Hyperthermia and Exogenous Testosterone Treatment. Abstract presented at 40<sup>th</sup> Annual Meeting of the Society for the study of Reproduction, July at San Antonio, Texas.
391. Wang C, Yu-Gui Cui, Xing-Hai Wang Yue Jia, Amiya Sinha Hikim, Yan-He Lue, Jian-Son Tong, Li-Xin Qian, Jia-Hao Sha, Zuo-Min Zhou, Laura Hull, Andrew Leung, and Ronald S. Swerdloff. Transient Scrotal Hyperthermia and Levonorgestrel Enhance Testosterone –Induced Spermatogenesis Suppression in Men through Increased Germ Cell Apoptosis. Abstract presented at the Endocrine Society, June 2007.
392. Itagaki BK, RS Swerdloff: A hidden diagnosis: pheochromocytoma with concurrent crystal methamphetamine use. SGIM National Meeting, Philadelphia, PA 2008
393. Liu PY, Swerdloff RS, Handelsman DJ, Wang C and the Hormonal Male Contraception Summit group. Determinants of the Rate and Extent of Spermatogenic Suppression during Hormonal Male Contraception. Proceedings American Endocrine Society, 90<sup>th</sup> Annual Meeting, San Francisco, June 2008.

394. Erkkila K\*, Liu PY\*, Lue YH, Schwarcz MD, Abuyounes D, Ruiz R, Ma K, Jentsch JD, Wang C, Swerdloff RS. Karyotypic and Hormonal Control of Gender Preference and Social Behavior of XXY Mice. 90<sup>th</sup> Annual Meeting of the Endocrine Society, San Francisco, June 2008. \*Contributed equally to the work
395. Y Jia, AP Sinha Hikim, C Wang, YH Lue, V Atienza, RS Swerdloff: Heat shock protein 27 (HSP27) phosphorylation is critical in heat induced male germ cell apoptosis in the rat. 90<sup>th</sup> Annual Meeting of the Endocrine Society. San Francisco, CA, June 2008
396. Schwarcz M, C Wang, RS Swerdloff: Correlation between body mass index and serum sex hormones in hypogonadal men before and after transderma testosterone
397. RS Swerdloff, AS Dobs, JM Kaufman, MM Miner, M Morgentaler, R Shabsigh, C Wang: Pharmacokinetics of a long acting injection, testosterone undecanoate, on serum total testosterone and other sex hormones in the treatment of hypogonadism at steady state: results from a phase III clinical trial. 90<sup>th</sup> Annual Meeting of the Endocrine Society. San Francisco, CA, June 2008
398. RS Swerdloff, C Wang: Improved Male Sexual Function with a novel long-acting testosterone undecanoate intramuscular injection. The Sexual Medicine Society of North American (SMSNA) 2008 Fall meeting, Toronto, Canada, October, 2008
399. RS Swerdloff, C Wang: Improved depression related outcomes in men treated with a novel long acting testosterone undecanoate intramuscular injection. The Sexual Medicine Society of North American (SMSNA) 2008 Fall meeting, Toronto, Canada, October, 2008
400. RS Swerdloff, C Wang: Effects of a novel long-acting testosterone undecanoate intramuscular injection on prostate health outcomes in hypogonadal men: results of a multicenter, open label trial. The Sexual Medicine Society of North American (SMSNA) 2008 Fall meeting, Toronto, Canada, October, 2008
401. RS Swerdloff, C Wang: Impact of a novel long-acting testosterone undecanoate intramuscular injection on sex hormones of hypogonadal men. The Sexual Medicine Society of North American (SMSNA) 2008 Fall meeting, Toronto, Canada, October, 2008
402. Morgentaler, A Dobs, Kaufman, Miner, Shabsigh, RS Swerdloff, C Wang: Long Acting Testosterone Undecanoate Injection to Treat Male Hypogonadism: 84 week safety and efficacy outcomes. AUA, November 14, 2008.